



## HEK293-YFP Stable Cell Line Manual

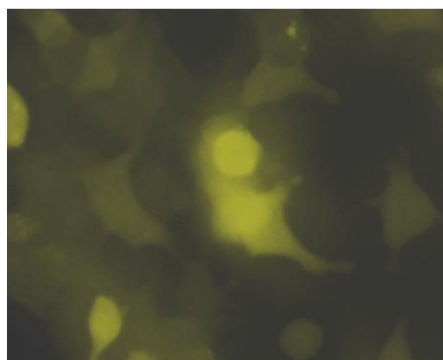
Catalog Number	Product name	Amount
<a href="#">SC011</a>	HEK293-YFP stable cells	1 ml / vial in 80% DMEM, 10% FBS, 10% DMSO

### Product Description

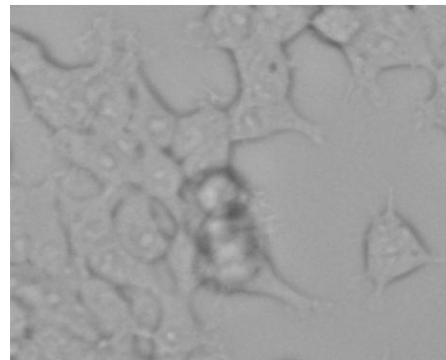
The HEK293 Cell Line is a permanent line established from primary embryonal human kidney transformed with sheared human adenovirus type 5 DNA. The expressed E1A adenovirus gene allows these cells to produce very high levels of protein.

HEK293-YFP cell is transformed from the 293 cell line and stably expresses **YFP** gene. It is established by transduction of YFP expression lentivirus that also contains a **blasticidin** resistant gene for selection and maintenance of the stable cells. YFP is constitutively expressed in high-level under CMV promoter. The following expression construct was integrated into cell's genome.

### Core expression cassette:



500nm/535nm (Ex/Em) filter



Bright light



## Culture procedures

1. Thaw the frozen vial of cells quickly in a 37°C water bath (1~3min), decontaminate the outside of the vial with 70% ethanol.
2. Transfer the entire contents of the cryovial into a T-75 cm<sup>2</sup> flask containing 20 ml of pre-warmed complete medium. Incubate the cells overnight in a 37°C incubator, 5% CO<sub>2</sub>.
3. On the following day, replace the medium with 20 ml of prewarmed, complete medium.
4. Incubate the cells and monitor cell density.
5. Pass cells (1:5 to 1:10 dilution) using 0.25% Trypsin-EDTA solution when the culture reaches ~90% confluent.
6. Freeze cells at a density of ~3 x 10<sup>6</sup> cells/ml using 90% complete medium with 10% DMSO.

## Complete medium

DMEM (high glucose)  
2mM L-glutamine  
10% Fetal Bovine Serum (FBS)  
0.1 mM MEM Non-Essential Amino Acids (NEAA)  
1% Pen-strep / Antibiotic-antimycoplasma

- Optional to add: final **10 ug/ml** of Blastcidin (Note: do not add Blastcidin at 1st time thaw culture. This final Blastcidin concentration is also depend on the potency of its brand)

## Quality Control

Each vial contains ~2 x 10<sup>6</sup> cells with >95% viability before freezing. Cells are verified to be free of bacteria, viruses, and mycoplasma.

## Warranty and user terms

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- 5) GenTarget is not liable, and does not have any responsibility or liability, whatsoever for any direct and indirect, consequential, or other damages resulting from using this Product.
- 6) Gentarget **do not** provide the protected reporter's sequences information for all our cell line products.

**Attachment:** GenTarget' s pre-made stable cell line list:

<b>Catalog #</b>	<b>Product Name</b>
<a href="#">TLV-C</a>	HEK293-TLV lentivirus packing cells
<a href="#">SC001</a>	HEK293-GFP stable cells
<a href="#">SC002-Bsd</a>	luciferase (firefly), HEK293 stable cells (Blasticidin)
<a href="#">SC002-GB</a>	luciferase (firefly), HEK293 stable cells (GFP-Blasticidin)
<a href="#">SC002-GP</a>	luciferase (firefly), HEK293 stable cells (GFP-Puromycin)
<a href="#">SC002-Neo</a>	luciferase (firefly), HEK293 stable cells (Neomycin)
<a href="#">SC002-Puro</a>	luciferase (firefly), HEK293 stable cells (Puromycin)
<a href="#">SC002-RB</a>	luciferase (firefly), HEK293 stable cells (RFP, Blasticidin)
<a href="#">SC002-RP</a>	luciferase (firefly), HEK293 stable cells (RFP-Puromycin)
<a href="#">SC002T-RP</a>	HEK293T / Luciferase stable cells (RFP-Puromycin)
<a href="#">SC003</a>	LacZ (6His, RFP) / HEK293 Expression stable cell line



<a href="#">SC004-Bsd</a>	CRE Expression / HEK293 Cell Line (Bsd)
<a href="#">SC004-GP</a>	CRE Expression / HEK293 Cell Line (GFP, Puro)
<a href="#">SC004-Neo</a>	CRE Expression / HEK293 Cell Line (Neo)
<a href="#">SC004-Puro</a>	CRE Expression / HEK293 Cell Line (Puro)
<a href="#">SC004-RB</a>	CRE Expression / HEK293 Cell Line (RFP, Bsd)
<a href="#">SC004-RP</a>	CRE Expression / HEK293 Cell Line (RFP, Puro)
<a href="#">SC005-Bsd</a>	HEK293-TetR (Bsd)
<a href="#">SC005-GB</a>	HEK293-TetR (GFP-Bsd)
<a href="#">SC005-Hygro</a>	HEK293-TetR (Hygro)
<a href="#">SC005-Neo</a>	HEK293-TetR (Neo)
<a href="#">SC005-Puro</a>	HEK293-TetR (Puro)
<a href="#">SC005-RB</a>	HEK293-TetR (RFP-Bsd)
<a href="#">SC005-RP</a>	HEK293-TetR (RFP-Puro)
<a href="#">SC006</a>	Flp recombinase Expression HEK293 stable cell
<a href="#">SC007</a>	HEK293-RFP stable cells
<a href="#">SC008</a>	GFP-LacZ & RFP Expression HEK293 Cell Line
<a href="#">SC009</a>	GFP & RFP / HEK293 stable cells
<a href="#">SC010</a>	HEK293-CFP stable cells
<a href="#">SC011</a>	HEK293-YFP stable cells
<a href="#">SC012</a>	TAT Expression / HEK293 Cell Line
<a href="#">SC013</a>	Glutamine Synthetase (6His) Expression HEK293 Cell Line
<a href="#">SC014</a>	human P53 Inducible Expression Cell line
<a href="#">SC015</a>	Human OCT3/4 Expression Stable cells
<a href="#">SC016</a>	Human LIN28 Expression stable cells



<a href="#">SC017</a>	MDA-MB-231 / niRFP (Puro) Stable Cell Line
<a href="#">SC018-Bsd</a>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP (Bsd)
<a href="#">SC018-Neo</a>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP (Neo)
<a href="#">SC018-Puro</a>	Color Switch, CRE report cell line: HEK293-loxP-GFP-RFP (Puro)
<a href="#">SC019</a>	Firefly & Renilla Dual Luciferase Hela Cell Line
<a href="#">SC020-Puro</a>	luciferase (Renilla), HEK293 stable cells (Puromycin)
<a href="#">SC020-RP</a>	luciferase (Renilla), HEK293 stable cells (RFP-Puromycin)
<a href="#">SC021-GB</a>	Luciferase (firefly) & CRE Expression cell line (GFP-Bsd)
<a href="#">SC021-Puro</a>	Luciferase (firefly) & CRE Expression stable cell line (Puro)
<a href="#">SC021-RP</a>	Luciferase (firefly) & CRE Expression cell line (RFP-Puro)
<a href="#">SC022-RB</a>	HEK293-CFTR cell line with RFP and Blasticidin dual marker
<a href="#">SC023-RB</a>	HEK293-CLCN2 cell line with RFP and Blasticidin dual marker
<a href="#">SC024-RB</a>	HEK293-TRPC3 cell line with RFP and Puromycin dual marker
<a href="#">SC025-RB</a>	HEK293-KCNN4 cell line with RFP and Puromycin dual marker
<a href="#">SC026-RB</a>	HEK293-ATP2B2 cell line with RFP and Puromycin dual marker
<a href="#">SC027-RB</a>	HEK293-TRPV1 cell line with RFP and Puromycin dual marker
<a href="#">SC028</a>	Inducible RFP HEK293 Expression cell line
<a href="#">SC029</a>	inducible RFP HEK293 stable cell line with GFP marker
<a href="#">SC030</a>	inducible GFP HEK293 stable cell line with RFP marker
<a href="#">SC031-Puro</a>	Hela-RFP Expression Cells
<a href="#">SC032-Bsd</a>	Luciferase (firefly) Expression Hela cells (Bsd)
<a href="#">SC032-GB</a>	Luciferase & GFP Expression Hela cells (Bsd)
<a href="#">SC032-GN</a>	Luciferase & GFP Expression Hela cells (Neo)



<a href="#">SC032-GP</a>	Luciferase & GFP Expression HeLa cells (Puro)
<a href="#">SC032-Puro</a>	Luciferase (firefly) Expression HeLa cells (Puro)
<a href="#">SC032-RB</a>	Luciferase & RFP Expression HeLa cells (Bsd)
<a href="#">SC032-RN</a>	Luciferase & RFP Expression HeLa cells (Neo)
<a href="#">SC032-RP</a>	Luciferase & RFP Expression HeLa cells (Puro)
<a href="#">SC033</a>	Inducible GFP HEK293 stable cell line
<a href="#">SC034-Bsd</a>	HeLa-GFP stable cells (Blasticidin)
<a href="#">SC034-Puro</a>	HeLa-GFP stable cells (Puromycin)
<a href="#">SC035-Puro</a>	TetR Expression (Puro) / HeLa stable cells
<a href="#">SC036</a>	Inducible GFP Expression HeLa cell line
<a href="#">SC037</a>	Inducible RFP Expression HeLa cell line
<a href="#">SC038-GB</a>	rtTA (GFP-Bsd) / HeLa stable cells
<a href="#">SC038-GP</a>	rtTA (GFP-Puro) / HeLa stable cells
<a href="#">SC038-RB</a>	rtTA (RFP-Bsd) / HeLa stable cells
<a href="#">SC039-Bsd</a>	CHO-GFP stable cells (Blasticidin)
<a href="#">SC039-Puro</a>	CHO-GFP stable cells (Puromycin)
<a href="#">SC040-Bsd</a>	MDA-MB-231 / GFP (Bsd) Stable Cell Line
<a href="#">SC040-Puro</a>	MDA-MB-231 / GFP (Puro) Stable Cell Line
<a href="#">SC040-TetR</a>	MDA-MB-231 / TetR (Puro) stable cells
<a href="#">SC041</a>	MDA-MB-231 / Luciferase-2A-RFP Stable Cell Line
<a href="#">SC042</a>	SH-SY5Y / GFP (Puromycin) stable cell line
<a href="#">SC043-Bsd</a>	A549 / GFP stable cells (Blasticidin)
<a href="#">SC043-Cas9-GP</a>	A549 / Cas9 (GFP-Puro) Stable Cell Line
<a href="#">SC043-Cas9-Puro</a>	A549 / Cas9 (Puro) Stable Cell Line



<a href="#">SC043-Cas9-RP</a>	A549 / Cas9 (RFP-Puro) Stable Cell Line
<a href="#">SC043-LG</a>	A549 / Luciferase-2A-GFP (Puromycin) stable cell line
<a href="#">SC043-Luc</a>	A549 / Luciferase (Puromycin) stable cell line
<a href="#">SC043-TetR</a>	A549 / TetR (Puro) stable cells
<a href="#">SC044</a>	MDA-MB-231 / Luciferase-2A-GFP Stable Cell Line
<a href="#">SC045-Cas9-Bsd</a>	Hela / Cas9 (Bsd) Stable Cell Line
<a href="#">SC045-Cas9-Puro</a>	Hela / Cas9 (Puro) Stable Cell Line
<a href="#">SC046</a>	SH-SY5Y / RFP (Puromycin) stable cell line
<a href="#">SC047-GB</a>	RKO / GFP (Blasticidin) Stable Cell Line
<a href="#">SC047-TetR</a>	TetR Expression (Bsd) / RKO stable cells
<a href="#">SC048</a>	Luciferase (Puro) / Jurkat T Cell line
<a href="#">SC049-1</a>	Jurkat T / GFP Stable Cell (EF1a Promoter)
<a href="#">SC049-2</a>	Jurkat T / GFP Stable Cell (Flt1 Promoter)
<a href="#">SC049-3</a>	Jurkat T / GFP Stable Cell (CD43 Promoter)
<a href="#">SC049-4</a>	Jurkat T / GFP Stable Cell (CD68 Promoter)
<a href="#">SC049-5</a>	Jurkat T / GFP Stable Cell (Survivin Promoter)
<a href="#">SC050-G</a>	MCF7 / GFP (Puromycin) Cell Line
<a href="#">SC050-L</a>	MCF7 / Firefly Luciferase (Puro) Cell Line
<a href="#">SC051-G</a>	ZR-75-1 / GFP (Puromycin) Cell Line
<a href="#">SC051-L</a>	ZR-75-1 / Firefly Luciferase (Puro) Cell Line
<a href="#">SC053-L</a>	NCI-H1299 / Luciferase (Puro) Stable Cells
<a href="#">SC054-L</a>	CFPAC-1 / Luciferase (Puro) Stable Cells
<a href="#">SC055-G</a>	MLL2 / GFP (Neomycin) stable cell line
<a href="#">SC056-TetR</a>	mouse CT26 / TetR Expression (Bsd) stable cells



<a href="#">SC057-Bsd</a>	MDA-MB-231 / RFP (Bsd) Stable Cell Line
<a href="#">SC058</a>	HEK293 / uGFP (unstable GFP) Stable Cells
<a href="#">SC059-Bsd</a>	MDA-MB-231 / Luciferase (Bsd) Stable Cell Line
<a href="#">SC059-Puro</a>	MDA-MB-231 / Luciferase (Puro) Stable Cell Line
<a href="#">SC060-G</a>	Human B lymphocyte / GFP Stable Cells
<a href="#">SC060-LG</a>	Human B lymphocyte (Luciferase / GFP) Stable Cells
<a href="#">SC060-LR</a>	Human B lymphocyte (Luciferase / RFP) Stable Cells
<a href="#">SC060-R</a>	Human B lymphocyte / RFP Stable Cells
<a href="#">SC061-G</a>	Mouse CT26 / GFP Stable Cells
<a href="#">SC061-LG</a>	Mouse CT26 (Luciferase & GFP) Stable Cells
<a href="#">SC061-LR</a>	Mouse CT26 (Luciferase & RFP) Stable Cells
<a href="#">SC061-PDL1</a>	Mouse CT26 / PDL1 Stable Cells
<a href="#">SC061-R</a>	Mouse CT26 / RFP Stable Cells
<a href="#">SC062-G</a>	Human AsPC1 / GFP Cell Line
<a href="#">SC062-LG</a>	Human AsPC1 / Luciferase and GFP Cell Line
<a href="#">SC062-LR</a>	Human AsPC1 / Luciferase and RFP Cell Line
<a href="#">SC062-Luc</a>	Human AsPC1 / Luciferase Cell Line
<a href="#">SC062-R</a>	Human AsPC1 / RFP Cell Line
<a href="#">SC063-LR</a>	Mouse B lymphocyte (Luciferase & RFP) Stable Cell
<a href="#">SC063-Luc</a>	Mouse B lymphocyte / Luciferase Cell Line
<a href="#">SC063-R</a>	Mouse B lymphocyte / RFP Cell Line
<a href="#">SC065-G</a>	Mouse MB49 / GFP Stable Cells
<a href="#">SC065-LG</a>	Mouse MB49 / Luciferase & GFP Stable Cells
<a href="#">SC065-LR</a>	Mouse MB49 / Luciferase & RFP Stable Cells





<a href="#">SC065-R</a>	Mouse MB49 / RFP Stable Cells
<a href="#">SC066-G</a>	Human ES2 / GFP Stable Cells
<a href="#">SC066-LG</a>	Human ES2 / Luciferase & GFP Stable Cells
<a href="#">SC066-LR</a>	Human ES2 / Luciferase & RFP Stable Cells
<a href="#">SC066-R</a>	Human ES2 / RFP Stable Cells
<a href="#">SC066-TetR</a>	Human ES2 / TetR (Puro) Stable Cells
<a href="#">SC067-G</a>	Human SW403 / GFP Stable Cells
<a href="#">SC067-Luc</a>	Human SW403 / Luciferase Stable Cells
<a href="#">SC068-G</a>	Human PANC-1 / GFP (Puro) Cell Line
<a href="#">SC068-LG</a>	Human PANC-1 / Luciferase & GFP (Puro) Cell Line
<a href="#">SC068-Luc</a>	Human PANC-1 / Luciferase (Puro) Cell Line
<a href="#">SC068-R</a>	Human PANC-1 / RFP (Puro) Cell Line
<a href="#">SC069-G</a>	Human 786-O / GFP Cell Line
<a href="#">SC069-LG</a>	Human 786-O / Luciferase & GFP Cell Line
<a href="#">SC069-luc</a>	Human 786-O / Luciferase Cell Line
<a href="#">SC070-G</a>	Hela-nucGFP stable cells
<a href="#">SC070-R</a>	Hela-nucRFP stable cells
<a href="#">SC071-Neo</a>	Color Switch, CRE report cell line: Hela-loxP-GFP-RFP (Neo)
<a href="#">SC071-Puro</a>	Color Switch, CRE report cell line: Hela-loxP-GFP-RFP (Puro)
<a href="#">SC072-G</a>	Human T47D / GFP Stable Cells
<a href="#">SC072-LG</a>	Human T47D / Luciferase & GFP Stable Cells
<a href="#">SC072-Luc</a>	Human T47D / Luciferase Stable Cells
<a href="#">SC073-GB</a>	Human MCF10A / GFP (Bsd) Stable Cells
<a href="#">SC073-GP</a>	Human MCF10A / GFP (Puro) Stable Cells



<a href="#">SC073-Luc</a>	Human MCF10A / Luciferase (Puro) Stable Cells
<a href="#">SC074-GB</a>	Human SW1990 / GFP (Bsd) Stable Cells
<a href="#">SC074-GP</a>	Human SW1990 / GFP (Puro) Stable Cells
<a href="#">SC074-LG</a>	Human SW1990 / Luciferase & GFP (Puro) Stable Cells
<a href="#">SC074-Luc</a>	Human SW1990 / Luciferase (Puro) Stable Cells
<a href="#">SC075</a>	Human ACE2 (RFP) Expression in Hela Cell Line
<a href="#">SC076</a>	Human ACE2 (RFP) Expression in HEK293T Cell Line
<a href="#">SC076B</a>	Human ACE2 (GFP) Expression in Hela Cell Line
<a href="#">SC077</a>	COVID-19 Spike (S) Protein / Hela Cell Line
<a href="#">SC078-G</a>	Mouse Panc02 / GFP Stable Cell Line
<a href="#">SC078-Luc</a>	Mouse Panc02 / Luciferase (Firefly) Stable Cell Line
<a href="#">SC079-G</a>	Human MIA Paca-2 / GFP Stable Cells
<a href="#">SC079-LG</a>	Human MIA Paca-2 / Luciferase & GFP Stable Cells
<a href="#">SC079-LR</a>	Human MIA Paca-2 / Luciferase & RFP Stable Cells
<a href="#">SC079-Luc</a>	Human MIA Paca-2 / Luciferase Stable Cells
<a href="#">SC079-R</a>	Human MIA Paca-2 / RFP Stable Cells
<a href="#">SC080-G</a>	Human HT-29 / GFP Stable Cell Line
<a href="#">SC080-LG</a>	Human HT-29 / GFP & Luciferase Stable Cell Line
<a href="#">SC080-Luc</a>	Human HT-29 / Luciferase (Firefly) Stable Cell Line
<a href="#">SC081</a>	Inducible GFP & Luciferase Co-Expression HEK293 cell line
<a href="#">SC082</a>	HEK293 / Cas9 Expression Stable Cell Line
<a href="#">SC083</a>	HEK293 / h PDL1 Expression Stable Cells
<a href="#">SC084-G</a>	Human U2OS / GFP Stable Cells
<a href="#">SC084-LG</a>	Human U2OS / Luciferase & GFP Stable Cells



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<a href="#">SC084-Luc</a>	Human U2OS / Luciferase Stable Cells
<a href="#">SC085-LG</a>	Human SHP-77 / <b>Luciferase</b> & <b>GFP</b> Stable Cells
<a href="#">SC085-LR</a>	Human SHP-77 / <b>Luciferase</b> & <b>RFP</b> Stable Cells
<a href="#">SC085-Luc</a>	Human SHP-77 / <b>Luciferase</b> Stable Cells
<a href="#">SC085-R</a>	Human SHP-77 / <b>RFP</b> Fluorescent Stable Cells
<a href="#">SC086</a>	CHO / CD19 & GFP Expression Stable Cell Line
<a href="#">SC087</a>	HEK293 / human CD19 Expression Stable Cell Line