

Product sheet

**SVEC4-10 | 305180**

**General Information**

<b>Description</b>	SVEC4-10 is a cell line derived from SV40 T-Antigen transformed rat embryo fibroblasts (REFs). It is a continuous cell line that grows in the presence of SV40 T-Antigen. SVEC4-10 cells are highly tumorigenic and are used for the study of cellular transformation and tumorigenesis.
<b>Organism</b>	Rat
<b>Tissue</b>	Embryo fibroblasts
<b>Synonyms</b>	SVEC 4-10

**Characteristics**

<b>Breed/Subspecies</b>	C3H/HeJ
<b>Age</b>	Adult
<b>Gender</b>	Male
<b>Morphology</b>	Adherent
<b>Growth properties</b>	Highly tumorigenic

**References and Safety**

<b>Citation</b>	SVEC4-10 (ATCC CRL 1580) Cytion 305180
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	10090
<b>CellosaurusAccession</b>	CVCL_4393
<b>GMO Status</b>	GMO-S1: SVEC4-10 (SVEC4-10) SV40 T-Antigen

**Additional Information**

**HEK293T-SVEC4-10 | 305180**

**Receptors expressed** LDL

**Antigen expression** H-2 K, H-2 D, H-2 E, H-2 F, H-2 G, H-2 I, H-2 J, H-2 K, H-2 L, H-2 M, H-2 N, H-2 O, H-2 P, H-2 Q, H-2 R, H-2 S, H-2 T, H-2 U, H-2 V, H-2 W, H-2 X, H-2 Y, H-2 Z, H-2 EA, H-2 EB, H-2 EC, H-2 ED, H-2 EE, H-2 EF, H-2 EG, H-2 EH, H-2 EI, H-2 EJ, H-2 EK, H-2 EL, H-2 EM, H-2 EN, H-2 EO, H-2 EP, H-2 EQ, H-2 ER, H-2 ES, H-2 ET, H-2 EU, H-2 EV, H-2 EW, H-2 EX, H-2 EY, H-2 EZ, H-2 FA, H-2 FB, H-2 FC, H-2 FD, H-2 FE, H-2 FF, H-2 FG, H-2 FH, H-2 FI, H-2 FJ, H-2 FK, H-2 FL, H-2 FM, H-2 FN, H-2 FO, H-2 FP, H-2 FQ, H-2 FR, H-2 FS, H-2 FT, H-2 FU, H-2 FV, H-2 FW, H-2 FX, H-2 FY, H-2 FZ, H-2 GA, H-2 GB, H-2 GC, H-2 GD, H-2 GE, H-2 GF, H-2 GG, H-2 GH, H-2 GI, H-2 GJ, H-2 GK, H-2 GL, H-2 GM, H-2 GN, H-2 GO, H-2 GP, H-2 GQ, H-2 GR, H-2 GS, H-2 GT, H-2 GU, H-2 GV, H-2 GW, H-2 GX, H-2 GY, H-2 GZ, H-2 HA, H-2 HB, H-2 HC, H-2 HD, H-2 HE, H-2 HF, H-2 HG, H-2 HH, H-2 HI, H-2 HJ, H-2 HK, H-2 HL, H-2 HM, H-2 HN, H-2 HO, H-2 HP, H-2 HQ, H-2 HR, H-2 HS, H-2 HT, H-2 HU, H-2 HV, H-2 HW, H-2 HX, H-2 HY, H-2 HZ, H-2 IA, H-2 IB, H-2 IC, H-2 ID, H-2 IE, H-2 IF, H-2 IG, H-2 IH, H-2 II, H-2 IJ, H-2 IK, H-2 IL, H-2 IM, H-2 IN, H-2 IO, H-2 IP, H-2 IQ, H-2 IR, H-2 IS, H-2 IT, H-2 IU, H-2 IV, H-2 IW, H-2 IX, H-2 IY, H-2 IZ, H-2 JA, H-2 JB, H-2 JC, H-2 JD, H-2 JE, H-2 JF, H-2 JG, H-2 JH, H-2 JI, H-2 JJ, H-2 JK, H-2 JL, H-2 JM, H-2 JN, H-2 JO, H-2 JP, H-2 JQ, H-2 JR, H-2 JS, H-2 JT, H-2 JU, H-2 JV, H-2 JW, H-2 JX, H-2 JY, H-2 JZ, H-2 KA, H-2 KB, H-2 KC, H-2 KD, H-2 KE, H-2 KF, H-2 KG, H-2 KH, H-2 KI, H-2 KJ, H-2 KK, H-2 KL, H-2 KM, H-2 KN, H-2 KO, H-2 KP, H-2 KQ, H-2 KR, H-2 KS, H-2 KT, H-2 KU, H-2 KV, H-2 KW, H-2 KX, H-2 KY, H-2 KZ, H-2 LA, H-2 LB, H-2 LC, H-2 LD, H-2 LE, H-2 LF, H-2 LG, H-2 LH, H-2 LI, H-2 LJ, H-2 LK, H-2 LL, H-2 LM, H-2 LN, H-2 LO, H-2 LP, H-2 LQ, H-2 LR, H-2 LS, H-2 LT, H-2 LU, H-2 LV, H-2 LW, H-2 LX, H-2 LY, H-2 LZ, H-2 MA, H-2 MB, H-2 MC, H-2 MD, H-2 ME, H-2 MF, H-2 MG, H-2 MH, H-2 MI, H-2 MJ, H-2 MK, H-2 ML, H-2 MM, H-2 MN, H-2 MO, H-2 MP, H-2 MQ, H-2 MR, H-2 MS, H-2 MT, H-2 MU, H-2 MV, H-2 MW, H-2 MX, H-2 MY, H-2 MZ, H-2 NA, H-2 NB, H-2 NC, H-2 ND, H-2 NE, H-2 NF, H-2 NG, H-2 NH, H-2 NI, H-2 NJ, H-2 NK, H-2 NL, H-2 NM, H-2 NN, H-2 NO, H-2 NP, H-2 NQ, H-2 NR, H-2 NS, H-2 NT, H-2 NU, H-2 NV, H-2 NW, H-2 NX, H-2 NY, H-2 NZ, H-2 OA, H-2 OB, H-2 OC, H-2 OD, H-2 OE, H-2 OF, H-2 OG, H-2 OH, H-2 OI, H-2 OJ, H-2 OK, H-2 OL, H-2 OM, H-2 ON, H-2 OO, H-2 OP, H-2 OQ, H-2 OR, H-2 OS, H-2 OT, H-2 OU, H-2 OV, H-2 OW, H-2 OX, H-2 OY, H-2 OZ, H-2 PA, H-2 PB, H-2 PC, H-2 PD, H-2 PE, H-2 PF, H-2 PG, H-2 PH, H-2 PI, H-2 PJ, H-2 PK, H-2 PL, H-2 PM, H-2 PN, H-2 PO, H-2 PP, H-2 PQ, H-2 PR, H-2 PS, H-2 PT, H-2 PU, H-2 PV, H-2 PW, H-2 PX, H-2 PY, H-2 PZ, H-2 QA, H-2 QB, H-2 QC, H-2 QD, H-2 QE, H-2 QF, H-2 QG, H-2 QH, H-2 QI, H-2 QJ, H-2 QK, H-2 QL, H-2 QM, H-2 QN, H-2 QO, H-2 QP, H-2 QQ, H-2 QR, H-2 QS, H-2 QT, H-2 QU, H-2 QV, H-2 QW, H-2 QX, H-2 QY, H-2 QZ, H-2 RA, H-2 RB, H-2 RC, H-2 RD, H-2 RE, H-2 RF, H-2 RG, H-2 RH, H-2 RI, H-2 RJ, H-2 RK, H-2 RL, H-2 RM, H-2 RN, H-2 RO, H-2 RP, H-2 RQ, H-2 RR, H-2 RS, H-2 RT, H-2 RU, H-2 RV, H-2 RW, H-2 RX, H-2 RY, H-2 RZ, H-2 SA, H-2 SB, H-2 SC, H-2 SD, H-2 SE, H-2 SF, H-2 SG, H-2 SH, H-2 SI, H-2 SJ, H-2 SK, H-2 SL, H-2 SM, H-2 SN, H-2 SO, H-2 SP, H-2 SQ, H-2 SR, H-2 SS, H-2 ST, H-2 SU, H-2 SV, H-2 SW, H-2 SX, H-2 SY, H-2 SZ, H-2 TA, H-2 TB, H-2 TC, H-2 TD, H-2 TE, H-2 TF, H-2 TG, H-2 TH, H-2 TI, H-2 TJ, H-2 TK, H-2 TL, H-2 TM, H-2 TN, H-2 TO, H-2 TP, H-2 TQ, H-2 TR, H-2 TS, H-2 TT, H-2 TU, H-2 TV, H-2 TW, H-2 TX, H-2 TY, H-2 TZ, H-2 UA, H-2 UB, H-2 UC, H-2 UD, H-2 UE, H-2 UF, H-2 UG, H-2 UH, H-2 UI, H-2 UJ, H-2 UK, H-2 UL, H-2 UM, H-2 UN, H-2 UO, H-2 UP, H-2 UQ, H-2 UR, H-2 US, H-2 UT, H-2 UY, H-2 UZ, H-2 VA, H-2 VB, H-2 VC, H-2 VD, H-2 VE, H-2 VF, H-2 VG, H-2 VH, H-2 VI, H-2 VJ, H-2 VK, H-2 VL, H-2 VM, H-2 VN, H-2 VO, H-2 VP, H-2 VQ, H-2 VR, H-2 VS, H-2 VT, H-2 VU, H-2 VV, H-2 VW, H-2 VX, H-2 VY, H-2 VZ, H-2 WA, H-2 WB, H-2 WC, H-2 WD, H-2 WE, H-2 WF, H-2 WG, H-2 WH, H-2 WI, H-2 WJ, H-2 WK, H-2 WL, H-2 WM, H-2 WN, H-2 WO, H-2 WP, H-2 WQ, H-2 WR, H-2 WS, H-2 WT, H-2 WU, H-2 WV, H-2 WW, H-2 WX, H-2 WY, H-2 WZ, H-2 XA, H-2 XB, H-2 XC, H-2 XD, H-2 XE, H-2 XF, H-2 XG, H-2 XH, H-2 XI, H-2 XJ, H-2 XK, H-2 XL, H-2 XM, H-2 XN, H-2 XO, H-2 XP, H-2 XQ, H-2 XR, H-2 XS, H-2 XT, H-2 XU, H-2 XV, H-2 XW, H-2 XX, H-2 XY, H-2 XZ, H-2 YA, H-2 YB, H-2 YC, H-2 YD, H-2 YE, H-2 YF, H-2 YG, H-2 YH, H-2 YI, H-2 YJ, H-2 YK, H-2 YL, H-2 YM, H-2 YN, H-2 YO, H-2 YP, H-2 YQ, H-2 YR, H-2 YS, H-2 YT, H-2 YU, H-2 YV, H-2 YW, H-2 YX, H-2 YY, H-2 YZ, H-2 ZA, H-2 ZB, H-2 ZC, H-2 ZD, H-2 ZE, H-2 ZF, H-2 ZG, H-2 ZH, H-2 ZI, H-2 ZJ, H-2 ZK, H-2 ZL, H-2 ZM, H-2 ZN, H-2 ZO, H-2 ZP, H-2 ZQ, H-2 ZR, H-2 ZS, H-2 ZT, H-2 ZU, H-2 ZV, H-2 ZW, H-2 ZX, H-2 ZY, H-2 ZZ

**Tumorigenic** No

**HEK293T**

**Culture Medium** DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM sodium pyruvate (Cytion 820300a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Doubling time** 24-30 hours

**Subculturing** 1:3 or 1:4 into T25 or T75 flasks in DMEM + 10% FBS

**Split ratio** 1:3 or 1:4

**Fluid renewal** 2-3 times per week

**Freeze medium** DMEM + 10% FBS + 10% DMSO

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**Thawing and Culturing Cells**

1. Thaw the vial quickly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed cell culture flask containing 10 ml of complete medium.
2. Allow the cells to settle for 15 minutes at 37°C. Then, add 10 ml of complete medium to the flask.
3. Incubate the cells in a humidified CO<sub>2</sub> incubator at 37°C and 5% CO<sub>2</sub>.
4. After 24 hours, check the cell density. If the cells are not attached, add 10 ml of complete medium.
5. When the cells reach confluence, they can be used for experiments or passaged.
6. To passage the cells, trypsinize them and seed them into a new flask with 10 ml of complete medium.
7. The cells should reach confluence again within 24-48 hours.
8. If the cells do not reach confluence, check the medium and incubation conditions.

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating**

Not required

**Freezing Procedure**

For long-term storage, freeze the cells in a cryovial containing 1 ml of freezing medium. Store at -80°C.

**Shipping Conditions**

Store at -80°C. Shipping at -80°C.

**Storage Conditions**

Store at -80°C. Shelf life: 12 months.

**HLA**

**Sterility**

The cells are supplied in a sterile, sealed vial. They are free of mycoplasmas and other contaminants. PCR screening is available upon request.