

Successfully Transfected Established Cell Lines by FuGENE 6

| Cell Type | Description* |
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| AC29 | Ovary; CHO cell line lacking ACAT activity, Chinese hamster (Chang <i>et al.</i> [1995] <i>J. Biol. Chem.</i> 270 : 29532–29540.) |
| AlphaT3-1 | Windle <i>et al.</i> [1990] <i>Mol. Endocrin.</i> 4 : 597 - 603 |
| AML 12 | Normal; liver; hepatocyte, mouse; CRL- 2254 |
| AP-1 | Szászi <i>et al.</i> [2000] <i>J. Biol. Chem.</i> 275 : 28599 - 28606 |
| As4.1 | Kidney; intraparenchymal; transgenic; SV 40 transformed, mouse; CRL - 2193 |
| AT | Human |
| ATDC 5 | Differentiating culture of AT 805 teratocarcinoma cells, mouse (Sugawara <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 42487 - 42494 .) |
| AV-12 | Adenovirus-transformed Syrian hamster, Syrian hamster (Czo <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 13860 - 13866 .) |
| B16-F0 | Melanoma, mouse; CRL- 6322 |
| B16-F1 | Melanoma, mouse; CRL- 6323 |
| B31-1 | Ko guma <i>et al.</i> [1998] <i>Exp. Hematol.</i> 26 : 280 - 287. |
| BAEC | Aorta, cow (Ziegler <i>et al.</i> [1998] <i>Arterioscler. Thromb. Vasc. Biol.</i> 18 : 686 - 692.) |
| BaF3 | Hematopoietic, mouse (Palacios [1985] <i>Cell</i> 41 : 727.) |
| BAL17 | Kim <i>et al.</i> [1979] <i>J. Immunol.</i> 122 : 549 - 554. |
| BALC | Chandrasekhar <i>et al.</i> [2000] <i>J. Biol. Chem.</i> 275 : 25163 - 25172 |
| BE | (Sahai <i>et al.</i> [2003] <i>Nature Cell Biology</i> 5 : 711-719.) |
| BE(2)-M17 | Neuroblastoma, human; CRL - 2267 |
| BEAS-2B | Normal; lung; bronchus; epithelial; virus transformed, human; CRL- 9609 |
| BGM | Buffalo green monkey (de Jong <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 1012 - 1021.) |
| BHK - 21 | Normal; kidney, hamster; CCL-10 |
| BOSC | Font and Brown (2000) <i>Mol. Cell Boi.</i> 20 : 5041 |
| BOSC 23 | 293T cells modified to be high-titre virus producers, human; CRL -11270 |
| Bowes | Melanoma |
| Br 549 | Human; (Hinoi <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 44608 - 44616.) |
| BS-C-1 | Kidney, monkey; CCL - 26 |
| BT-549 | Mammary gland cancerous tissue, human; HTB - 122 |
| BT7-H | Rijnbrand <i>et al.</i> [2000] <i>J. Virol.</i> 74 : 773 - 783 |
| BW 51 47 (mutant) | Ly mphoma, mouse; Parent = TIB - 233 |
| C-2812 | Cartilage, human; immortalized human chondrocytes, C-2812 (Im <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 25386 - 25394.) |
| C2 | Liver, rat ; 94101906 |
| C2/7 | Muscle, mouse (Cox <i>et al.</i> [1991] <i>Dev. Biol.</i> 143 : 36 - 43.) |
| C24 | Vi cari <i>et al.</i> [2000] <i>Journal of Immunology</i> Volume 165 Issue 4, p 1992 - 2000 |
| C2C12 | Muscle; myoblast, mouse; CRL -1772 |
| C33 | Cervix, human (Shaw <i>et al.</i> [1994] <i>Mol. Pharmacol.</i> 46 : (1) 79 - 87.) |
| C3 | Hepatoblastoma, human (Mari <i>et al.</i> [2000] <i>J. Biol. Chem.</i> March 13, 2000) |
| C3 | Lung, human; provided by Dr. P. L. Zeitlin, The Johns Hopkins University School of Medicine, Baltimore, MD . (CF rescued mutant cell line.) |
| C3H/10T1/2 | Embryo, mouse; CCL- 226 |
| C4 | Hepatoma; liver, rat; Mutant of Hepa-1c1c7 (CRL- 2026) |
| C6 | Glioma; brain; glial cell, rat; CCL- 107 |
| CaCo-2/TC7 | Colorectum |
| Calu-3 | Adeno carcinoma; lung; pleural effusion, human; HTB-55 |
| Cas Ki | |
| CF1 | Lung, human, cystic fibrosis (Jefferson <i>et al.</i> [1992] <i>Am. J. Physiol.</i> 259 : L496 - L505.) |
| CH1 | Lymphoma; B lymphocyte; mouse; TIB - 221 |
| CHL | HeLa contaminant, human; CCL - 13 |
| CHO | Ovary, Chinese hamster; 850 50 302 |
| CHO Dhfr -/- | Ovary, hamster; CRL- 9096 |
| CHO hm1 | Ovary, Chinese hamster; CHO cells that stably express the human M1 muscarinic acetylcholine receptor (mAChR) |
| CHO Id1 A7 cells | Ovary, Chinese hamster (Sun <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 19926 - 19932.) |
| CHO Lec1 | Ovary, Chinese hamster; CRL- 1735 |
| CHO, colchicine resistant | Ovary, Chinese hamster; agift from Dr. M. M. Gottesman, National Institutes of Health. |
| CHO-7 | Ovary, hamster |
| CHO- D | Ovary, Chinese hamster (Srivastava, S. [2003] <i>J. Biol. Chem.</i> 278 : (46) 46171 - 8.) |
| CHO-E36 | Ovary, hamster (Aviel <i>et al.</i> [2000] <i>J. Biol. Chem.</i> 275 : 23491 - 23499.) |
| CHO - EGFR | Ovary, hamster; Chinese hamster ovary cells expres sing EGFR (Haglund <i>et al.</i> [2003] <i>Nature Cell Biology</i> 5 : 461-466.) |

| Cell Type | Description* |
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| CHO - IGF1R | Ovary, Chinese hamster (Cai <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 25323–25330.) |
| CHO - lia | Bajno <i>et al.</i> [2000] <i>J. Cell Biol.</i> 149 : 697 - 706 |
| CHO - IR | Ovary, Chinese hamster (Backer, J. M. [1990] <i>J. Biol. Chem.</i> 265 : (27) 16450 - 4.) |
| CHO - K1 | Ovary, Chinese hamster; CRL- 9618 |
| CHO - K1ldID | Ovary, hamster; CHO-K1 (CCL61, ATCC), its mutant daughter cell line ldID; (Kingsley <i>et al.</i> [1986] <i>Cell</i> 44 : 749 - 759.) |
| CHO - K2 | Ovary, Chinese hamster |
| CHO - sst2 | Ovary, hamster PMID: 12878607, Chinese hamster ovary-DG - 44 cells stably expressing sst2 (somatostatin receptor) |
| CHO-T | Ovary, Chinese hamster (Romero <i>et al.</i> [1999] <i>PR Health Sci J.</i> 18 : 257 - 265.) |
| CHO -Ts20 | Ovary, hamster; CHO cell line with a temperature-sensitive E1 ubiquitin-activating enzyme |
| CHO1 B /M3 | CHO cells stably expressing noradrenergic 1B (2.3 pmol/mg protein) and muscarinic M3 receptors (3.4 pmol/mg protein); Chinese hamster; (Young <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 20753 - 20760 .) |
| CHODG44 | Garbutt <i>et al.</i> [1999] <i>J. Virol.</i> 73 : 3524 - 3533 |
| CM | Ascitis fluid from patient with malignant insulinoma, human (Gueli <i>et al.</i> [1987] <i>J. Exp. Clin. Cancer Res.</i> 6 : 281 - 285.) |
| CMT3 | Monkey (Gerard and Guzman [1985]) |
| Colo 320 | Colon, human |
| COS-1 | Kidney; SV 40 transformed, African green monkey; CRL- 1650 |
| COS-6 | Kidney, monkey |
| COS-7 | Kidney; SV40 transformed, African green monkey; CRL- 1651 |
| COS-7/5 | Aviel <i>et al.</i> [2000] <i>J. Biol. Chem.</i> 275 : 23491- 23499 |
| COS-7L | Kidney; SV 40 transformed, African green monkey; COS -7 derivative |
| COS-Kb | H-2 Kb - expressing COS7 cells (COS-Kb), African green monkey (York <i>et al.</i> [2003] <i>Immunity</i> 18 : 429 - 440.) |
| COV 434 | Moore <i>et al.</i> [2003] <i>J. Biol. Chem.</i> 278 : 304 - 310 |
| CP-ATCC | Sheep |
| CP-MRI | Sheep |
| CREF | Embryo, rat (Polunovsky <i>et al.</i> [2000] <i>J. Biol. Chem.</i> 275 : 24776 - 24780.) |
| CREF/Ras V12 | Embryo, rat (Polunovsky <i>et al.</i> [2000] <i>J. Biol. Chem.</i> 275 : 24776 - 24780.) |
| CS-1 | Melanoma, hamster |
| CT43 | The CT43 mutant cell line was isolated as one of the cholesterol trafficking mutants from mutagenized 25RA cells. (Cadigan <i>et al.</i> [1990] <i>J. Cell Biol.</i> 110 : 295 - 308.) |
| C V-1 | Normal; kidney, African green monkey; CCL -70 |
| D17[D17a] | Osteo sarcoma; bone, Canine (dog); CRL - 6248 |
| Daoy | Medulloblastoma, human; HTB -186 |
| DC-T | Hematopoietic, mouse (Kumaragu [2000] <i>Journal of Immunology</i> 165 : 750 - 759.) |
| DF-1 | Wolf <i>et al.</i> [2003] <i>Genes Dev.</i> 17 : 476 - 487 |
| DK | Kidney, dog; 93120836 |
| DLD-1 | Colorectal adenocarcinoma, human; CCL - 221 |
| DU145 | Carcinoma, prostate, human; HTB - 81 |
| E47 | Hepatoblastoma, human (Mari <i>et al.</i> [2000] <i>J. Biol. Chem.</i> March 16 2000.) |
| EA.hy926 | Umbilical vein, human (Ahn <i>et al.</i> [1995] <i>Life Sci.</i> 56 : 2331 - 41.) |
| EBTr | |
| EcR-293 | Kidney, human; EcR-293 cells stably express the modified ecdysone receptor from Invitrogen Corp. |
| EL | Fibroblasts, mouse |
| EMT-6 | |
| F442A | Adipocytes, mouse (Foster <i>et al.</i> [1988] <i>Biochemistry</i> 12 : 27(1) 326 - 34.) |
| F9 | Embryonal carcinoma, testicular teratoma, testis, mouse; CRL- 1720 |
| FCR-Id1 (Keiger Id1F) | Botelho <i>et al.</i> [2000] <i>J. Biol. Chem.</i> 275 : 15717 - 15727. |
| FDCW2 | Dexter <i>et al.</i> [1980] <i>J. Exp. Med.</i> 152 : 1 036 |
| FDCW2 ER | Human (Seshasayee <i>et al.</i> [2000] <i>J. Biol. Chem.</i> 275 : 22969 - 22977.) |
| Fibroblasts | Pig |
| Fibroblasts, SV40 - transformed, human | Human (Kannouche <i>et al.</i> [2003] <i>EMBO J.</i> 22 : 1223 - 1233.) |
| FLL | Sheep |
| FOP | Mouse |
| Frhk-4 | |
| G1E-2 | Murine ES cells with a disrupted endogenous Gata 1 gene, mouse (Weiss <i>et al.</i> [1997] <i>Mol. Cell Biol.</i> 17 : 1642-1651.) |

To be continued.

FuGENE 6 Transfection Reagent 转染试剂的精粹



- 适合于质粒转染 [普通质粒, 或者shRNA (small hairpin RNA) 表达质粒的转染], 最大范围可至10kb质粒
- 优越于普通的脂质体 (liposomal) 转染技术 (图 1)
- 可用于短暂表达转染, 或稳定表达转染
- 有效转染多达600种常见哺乳动物细胞株及部分不易转染的细胞株*
- 高效、超低毒性

X-tremeGENE siRNA Transfection Reagent RNAi研究的首选



- 兼容两种不同的转染方式: siRNA直接转染、或者siRNA和表达质粒共同转染(co-transfection)
- 高效转染所有常见的哺乳动物细胞株及部分不易转染的细胞株 (图 1)
- 对细胞的毒性和物理破损低
- 转染前后无需更换反应介质
- 性价比高, 每个反应约0.40美金

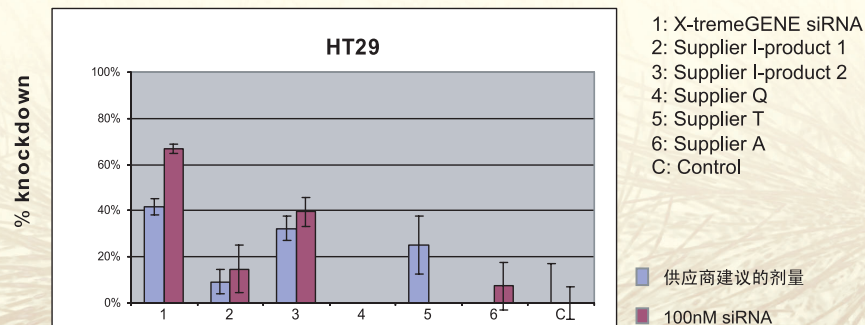


图1 转染HPRT特异的siRNA:
应用供应商建议的剂量或标准的100nM siRNA. Knockdown效率通过LightCycler real-time PCR来定量
结果: X-tremeGENE siRNA transfection reagent在转染不易被转染细胞株HT29上的性能远远高于其它同类产品