GeneSilencer Transfection Reagent Primary Cell Citation List

Cell Line	Cell Type	Source	Citation
Primary	Aortic Muscle Cells	Rat	Lake, A.C. & Castellot, J.J. (2003) CCN5 modulates the antiproliferative effect of heparin and regulates cell motility in vascular smooth muscle cells. Cell Comm. & Signaling 1: 5.
Primary	Aveolar Type II Cells	Mouse	Ueno, T., Linder, S., Na, C-L, Rice, W.R., Johansson, J., and Weaver, T.E. (2004) Processing of Pulmonary Surfactant Protein B by Napsin and Cathepsin H. J. Biol. Chem. 279: 16178-16184.
Primary	Bone Marrow	Mouse	Yang, R., Cai, Z., Zhang, Y., Yutzy IV, W.H., Roby, K.F. and Roden, R.B.S. (2006) CD80 in Immune Suppression by Mouse Ovarian Carcinoma¿Associated Gr-1+CD11b+ Myeloid Cells. Cancer Res 66 (13): 6807 - 6815.
Primary	Cardiac Fibroblast	Mouse	Hu, C., Dandapat, A., Sun, L., Khan, J.A., Liu, Y., Hermonat, P.L. and Mehta, J.L. (2008) Regulation of TGFbeta 1-mediated collagen formation by LOX-1: Studies based on forced over-expression of TGFbeta 1 in wild-type and LOX-1 knockout mice cardiac fibroblasts. J. Biol. Chem. 283 (16) 10226-10231.
Primary	Cardiac Myocytes	Feline	Ramabadran, R. S., Chancey, A., Vallejo, J.G., Barger, P.M., Sivasubramanian, N. and Mann, D.L. (2008) Targeted Gene Silencing of Tumor Necrosis Factor Attenuates the Negative Inotropic Effects of Lipopolysaccharide in Isolated Contracting Cardiac Myocytes. Tex Heart Inst J. 35(1): 16-21.
Primary	Cardiac Myocytes (Neonatal)	Rat	Juhaszova, M., Zorov, D.B., Kim, S-H, Pepe, S., Fu, O., Fishbein, K.W., Ziman, B.D., Wang, S., Ytrehus, K., Antos, C.L., Olson, E.N. and Sollott, S.J. (2004) Glycogen synthase kinase-3{beta} mediates convergence of protection signaling to inhibit the mitochondrial permeability transition pore. J. Clin. Invest. 113(11): p. 1535-1549.
Primary	Cerebellar Neurons	Rat	Numakawa, T., Nakayama, H., Suzuki, S., Kubo, T., Nara, F., Numakawa, Y., Yokomaku, D., Araki, T., Ishimoto, T., Ogura, A. and Taguchi, T. (2003) Nerve growth factor-induced glutamate release is via p75 receptor, ceramide and Ca2+ from ryanodine receptor in developing cerebellar neurons. J. Biol. Chem: 278: 41259-41269.
Primary	Coronary Artery Endothelial	Human HCAEC	Dandapat, A., Hu, C., Sun, L. and Mehta, J.L. (2007) Small Concentrations of oxLDL Induce Capillary Tube Formation From Endothelial Cells via LOX-1 Dependent Redox-Sensitive Pathway. Arterioscler Thromb Vasc Biol.
Primary	Cortical Neurons	Mouse	Aarts, M., Lihara, K., Wei, W-L, Xiong, Z-G, Arundine, M., Cerwinski, W., MacDonald, J.F., Tymianski, M. (2003) A Key Role for TRPM7 Channels in Anoxic Neuronal Death. Cell 115: 863.
Primary	Cortical Neurons	Mouse	Aleyasin, H., Cregan, S.P., Iyirhiaro, G., OHare, M.J., Callaghan, S.M., Slack, R.S. and Park, D.S. (2004) Nuclear Factor-B Modulates the p53 Response in Neurons Exposed to DNA Damage. J. Neurosci. 24 (12): 2963-2973.
Primary	Cortical Neurons	Mouse	Burkhalter, J., Fiumelli, H., Erickson, J.D. and Martin, J-L. (2007) A critical role for system a amino acid transport in the regulation of dendritic development by BDNF. J Biol Chem 282: 5152 - 5159.
Primary	Cortical Neurons	Mouse	Cui, H., Hayashi, A., Sun, H-S, Belmares, M.P., Cobey, C., Phan, T., Schweizer, J., Salter, M.W., Wang, Y.T., Tasker, R.A., Garman, D., Rabinowitz, J., Lu, P.S. and Tymianski, M. (2007) PDZ Protein Interactions Underlying NMDA Receptor-Mediated Excitotoxicity and Neuroprotection by PSD-95 Inhibitors. J. Neurosci. 27(37): 9901-9915.
Primary	Cortical Neurons	Mouse	Sato, S., Xu, J., Okuyama, S., Martinez, LB., Walsh, S.M, Jacobsen, M.T, Swan, R.J., Schlautman, J.D., Ciborowski, P. and Ikezu, T. (2008) Spatial learning impairment, enhanced CDK5/p35 activity, and downregulation of NMDA receptor expression in transgenic mice expressing tau-tubulin kinase 1. J Neurosci 28(53): 14511.

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Primary	Cortical Neurons	Mouse	Supnet, C., Grant, J., Kong, H., Westaway, D. and Mayne, M. (2006) Amyloid _-(1-42) Increases Ryanodine Receptor-3 Expression and Function in TgCRND8 Mice. J. Biol. Chem. 281: 38440 - 38447.
Primary	Dendritic Cells	Mouse	Li, M., Qian, H., Ichim, T.E., Ge, W-W, Popov, I.A., Rycerz, K., Neu, J., White, D., Zhong, R., Min, W-P. (2004) Induction of RNA Interference in Dendritic Cells. Immunologic Research 30 (2) 215-230.
Primary	Dendritic Cells	Mouse	Li, M., Zhang, X., Zheng, X., Lian, D., Zhang, Z-X., Ge, W., Yang, J., Vladau, C., Suzuki, M., Chen, D., Zhong, R., Garcia, B., Jevnikar, A.M. and Min, W-P (2007) Immune Modulation and Tolerance Induction by RelB-Silenced Dendritic Cells through RNA Interference. J. Immunol. 178(9): p. 5480-5487.
Primary	Dendritic Cells	Mouse	Liu, G., Ng, H., Akasaki, Y., Yuan, X., Ehtesham, M., Yin, D., Black , K.L. and Yu, J.S. (2004) Small interference RNA modulation of IL-10 in human monocyte-derived dendritic cells enhances the Th1 response. Eur. J. Immunol. 34: 1680-1687.
Primary	Dendritic Cells	Human	Smith, A.L., Ganesh, L., Leung, K., Jongstra-Bilen, J., Jongstra, J. and Nabel, G.J. (2007) Leukocyte-specific protein 1 interacts with DC-SIGN and mediates transport of HIV to the proteasome in dendritic cells. J. Exp. Med. 204(2): p. 421-430.
Primary	Dendritic Cells	Mouse	Zheng, X., Koropatnick, J., Li, M., Zhang, X., Ling, F., Ren, X., Hao, X., Sun, H., Vladau, C., Franek, J.A., Feng, B., Urquhart, B.L., Zhong, R., Freeman, D.J., Garcia, B. and Min, W-P. (2006) Reinstalling Antitumor Immunity by Inhibiting Tumor-Derived Immunosuppressive Molecule IDO through RNA Interference. J. Immunol. 177(8): 5639-5646.
Primary	Dendritic Cells (Bone Marrow)	Mouse	Chung, J-S, Sato, K., Dougherty, I.I., Cruz, Jr., P.D. and Ariizumi, K. (2007) DC-HIL is a negative regulator of T lymphocyte activation. Blood. 109(10): p. 4320-4327.
Primary	Dorsal Root Ganglion	Rat	Hengst, U. Cox, L.J., Macosko, E.Z. and Jaffrey, S.R. (2006) Functional and Selective RNA Interference in Developing Axons and Growth Cones. J. Neurosci. 26(21): 5727-5732.
Primary	Dorsal Root Ganglion	Rat	Wu, K.Y., Hengst, U., Cox, L.J., Macosko, E.Z., Jeromin, A., Urquhart, E.R., and Jaffrey, S.R. (2005) Local translation of RhoA regulates growth cone collapse. Nature 436: 1020-1024.
Primary	Dorsal Root Ganglion Neurons	Mouse	Haruhisa Higuchi, Toshihide Yamashita, Hideki Yoshikawa, and Masaya Tohyama (2003) Functional inhibition of the p75 receptor using a small interfering RNA. Biochem. & Biophys. Res. Comm. 301: 804-809.
Primary	Hippocampal Neurons	Rat	Amaral, M.D. and Pozzo-Miller, L. (2007) TRPC3 Channels Are Necessary for Brain-Derived Neurotrophic Factor to Activate a Nonselective Cationic Current and to Induce Dendritic Spine Formation. J. Neurosci. 27(19): p. 5179-5189.
Primary	HMVEC	Human	Radu Stefanescu, Dustin Bassett, Rozbeh Modarresi, Francisco Santiago, Mohamad Fakruddin, and Jeffrey Laurence (2008) Synergistic interactions between interferon-{gamma} and TRAIL modulate c-FLIP in endothelial cells, mediating their lineage-specific sensitivity to thrombotic thrombocytopenic purpura plasma-associated apoptosis. Blood 112: 340 - 349.
Primary	Lacrimal Gland Acinar Cells	Rabbit	Xie, J., Chiang, L., Contreras, J., Wu, K., Garner, J.A., Medina-Kauwe, L. and Hamm-Alvarez, S.F. (2006) Novel Fiber-Dependent Entry Mechanism for Adenovirus Serotype 5 in Lacrimal Acini. J. Virol. 80(23): 11833 - 11851.
Primary	Lung Microvascular Endothelial Cells	Human	Kolosova, I.A., Ma, S-F, Adyshev, D.M., Wang, P., Ohba, M., Natarajan, V., Garcia, J.G.N. and Verin, A.D. (2004) Role of CPI-17 in the regulation of endothelial cytoskeleton AJP: Lung. 287(5): L970.
Primary	Macrophage	Human	Asmis, R., Wang, Y., Xu, L., Kisgati, M., Begley, J.G. and¿Mieyal, J.J. (2005) A novel thiol oxidation-based mechanism for adriamycin-induced cell injury in human macrophages. FASEB J. published 13 September 2005, 10.1096/fj.04-2991fje.
Primary	Macrophage	Mouse	Wang, Y., Chen, T., Han, C., He, D., Liu, H., An, H., Cai, Z. and Cao, X. (2007) Lysosome-associated small Rab GTPase Rab7b negatively regulates TLR4 signaling in macrophages by promoting lysosomal degradation of TLR4. Blood 110: 962 - 971.

Primary	Osteoblast	Mouse	Ohyama, Y., Nifuji, A., Maeda, Y., Amagasa, T. and Noda, M. (2004) Spaciotemporal Association and Bone Morphogenetic Protein Regulation of Sclerostin and Osterix Expression during Embryonic Osteogenesis. Endocrinology. 145(10): p. 4685-4692.
Primary	Peritoneal Macrophage	Mouse	de Beer, M.C., Zhao, Z., Webb, N.R., van der Westhuyzen, D.R. and de Villiers, W.J.S. (2003) Lack of a direct role for macrosialin in oxidized LDL metabolism J. Lipid Res. 44: 674 - 685.
Primary	Pulmonary Artery Endothelium	Human	Birukova, A.A., Chatchavalvanich, S., Rios, A., Kawkitinarong, K., Garcia, J.G.N. and Birukov, K.G. (2006) Differential Regulation of Pulmonary Endothelial Monolayer Integrity by Varying Degrees of Cyclic Stretch. Am. J. Pathol. 168: 1749 - 1761.
Primary	Pulmonary Artery Endothelium	Human	Zhuowei Li, Xhevahire Hyseni, Jacqueline D. Carter, Joleen M. Soukup, Lisa A. Dailey, and Yuh-Chin T. Huang (2006) Pollutant particles enhanced H2O2 production from NAD(P)H oxidase and mitochondria in human pulmonary artery endothelial cells. Am J Physiol Cell Physiol 291: C357 - C365.
Primary HPAEC	Pulmonary Artery Endothelium	Human	Rentsendorj, O., Mirzapoiazova, T., Adyshev, D., Servinsky, L.E., Renne, T., Verin, A.D. and Pearse, D.B. (2008) Role of vasodilator-stimulated phosphoprotein in cGMP-mediated protection of human pulmonary artery endothelial barrier function. Am J Physiol Lung Cell Mol Physiol. 294(4): L686 -L697.
Primary	Retinal Ganglion	Rat	Hayashi, H., Campenot, R.B., Vance, D.E. and Vance, J.E. (2007) Apolipoprotein E-Containing Lipoproteins Protect Neurons from Apoptosis via a Signaling Pathway Involving Low-Density Lipoprotein Receptor-Related Protein-1. J. Neurosci. 27(8): 1933-1941.
Primary	Schwann Cells	Mouse	Higuchi, H., Yamashita, T., Yoshikawa, H. and Tohyama, M. (2003) Functional inhibition of the p75 receptor using a small interfering RNA. Biochem. & Biophys. Res. Comm. 301: 804-809.
Primary	T-Cells (CD3+)	Human	Samten, B., Howard, S.T., Weis, S.E., Wu, S., Shams, H., Townsend, J.C., Safi, H. and Barnes, P.F. (2005) Cyclic AMP Response Element-Binding Protein Positively Regulates Production of IFN-{gamma} by T Cells in Response to a Microbial Pathogen. J. Immunol. 174(10): p. 6357-6363.