

CELL TYPE	TD FACTOR	CATALOG#	REFERENCE
iPSC	Oct4	TD1002PA-1	Takahashi, K., K. Tanabe, et al. (2007). "Induction of pluripotent stem cells from adult human fibroblasts by defined factors." Cell 131(5): 861-72.
	Sox2	TD1003PA-1	
	c-Myc	TD1007PA-1	
	Klf4	TD1006PA-1	
	Lin28	TD1004PA-1	Yu, J., M. A. Vodyanik, et al. (2007). "Induced pluripotent stem cell lines derived from human somatic cells." Science 318(5858): 1917-20.
	Nanog	TD1005PA-1	
	Mir-302bcad/367	TDH101PA-G	Anokye-Danso, F., C. M. Trivedi, et al. (2011). "Highly efficient miRNA-mediated reprogramming of mouse and human somatic cells to pluripotency." Cell Stem Cell 8(4): 376-88.
	Mir-302	TD1010PA-1 (made to order)	Miyoshi, N., H. Ishii, et al. (2011). "Reprogramming of mouse and human cells to pluripotency using mature microRNAs." Cell Stem Cell 8(6): 633-8.
Mir-200c	TD1020PA-1		
Mir-369	TD1030PA-1		
Cardiomyocyte	Tbx5	TD1101PA-1	
	Mef2c	TD1102PA-1	
	Gata-4	TD1103PA-1	
	Mesp1	TD1104PA-1	Ieda, M., J. D. Fu, et al. (2010). "Direct reprogramming of fibroblasts into functional cardiomyocytes by defined factors." Cell 142(3): 375-86.
	Mir-1-1	TD1120PA-1	Ivey, K. N., A. Muth, et al. (2008). "MicroRNA regulation of cell lineages in mouse and human embryonic stem cells." Cell Stem Cell 2(3): 219-29.
	Oct4	TD1002PA-1	
	Sox2	TD1003PA-1	
	Klf4	TD1006PA-1	Efe, J. A., S. Hilcove, et al. (2011). "Conversion of mouse fibroblasts into cardiomyocytes using a direct reprogramming strategy." Nat Cell Biol 13(3): 215-22.
C-Myc	TD1007PA-1		
Neuron	Brn2	TD1201PA-1	
	Ascl1	TD1202PA-1	
	Myt1l	TD1203PA	
	Zic1	TD1204PA-1	Vierbuchen, T., et al. (2010). "Direct conversion of fibroblasts to functional neurons by defined factors." Nature 463(7284): 1035-41.
	Brn2	TD1201PA-1	
	Ascl1	TD1202PA-1	Pang, Z. P., et al. (2011). "Induction of human neuronal cells by defined transcription factors." Nature 476(7359): 220-3.
Myt1l	TD1203PA		

	NeuroD1	TD1206PA-1	
	Mir-9	TD1220PA-1	Yoo, A. S., et al. (2011). "MicroRNA-mediated conversion of human fibroblasts to neurons." Nature 476(7359): 228-31.
	Mir-124	TD1221PA-1	
	Ascl1	TD1202PA-1	
	Mytl1	TD1203PA	
	Ascl1	TD1202PA-1	Caiazzo, M. et al. (2011). "Direct generation of functional dopaminergic neurons from mouse and human fibroblasts." Nature 476(7359): 224-7.
	Brn2	TD1201PA-1	
	Mytl1	TD1203PA-1	
	Lmx1a	TD1208PA-1	
	FoxA2	TD1304PA-1	
	Mytl1	TD1203PA-1	Ambasudhan, R., M. Talantova, et al. (2011). "Direct Reprogramming of Adult Human Fibroblasts to Functional Neurons under Defined Conditions." Cell Stem Cell 9(2): 113-8.
	Brn2	TD1201PA-1	
	Mir-124	TD1221PA-1	
	Oct4	TD1002PA-1	Kim, J., J. A. Efe, et al. (2011). "Direct reprogramming of mouse fibroblasts to neural progenitors." Proc Natl Acad Sci. 108(19): 7838-43.
	Sox2	TD1003PA-1	
	Klf4	TD1006PA-1	
	C-Myc	TD1007PA-1	
Dopaminergic Neurons	Ascl1	TD1202PA-1	Pfisterer, U., A. Kirkeby, et al. (2011). "Direct conversion of human fibroblasts to dopaminergic neurons." Proc Natl Acad Sci. 108(25):10343-8.
	Brn2	TD1201PA-1	
	Mytl1	TD1203PA-1	
	Foxa2	TD1304PA-1	
	Lmx1a	TD1208PA-1 (made to order)	
Motor Neurons	Lhx3	TD1212PA-1 (made to order)	Son, E. Y., J. K. Ichida, et al. (2011). "Conversion of Mouse and Human Fibroblasts into Functional Spinal Motor Neurons." Cell Stem Cell.
	Ascl1	TD1202PA-1	
	Brn2	TD1201PA-1	
	Mytl1	TD1203PA-1	
	Ngn2	TD1209PA-1 (made to order)	
	Hb9	TD1210PA-1 (made to order)	
	Isl1	TD1211PA-1 (made to order)	
	NeuroD1	TD1206PA-1	
Hepatocytes	Gata-4	TD1103PA-1	Huang, P., Z. He, et al. (2011). "Induction of

	HNF1-alpha	TD1306PA-1 (made to order)	functional hepatocyte-like cells from mouse fibroblasts by defined factors." Nature 475(7356): 386-9.
	Foxa3	TD1305PA-1 (made to order)	
	HNF4-alpha	TD1307PA-1 (made to order)	Sekiya, S. and A. Suzuki (2011). "Direct conversion of mouse fibroblasts to hepatocyte-like cells by defined factors." Nature 475(7356): 390-3.
	Foxa1	TD1303PA-1	
	Foxa2	TD1304PA-1	
	Foxa3	TD1305PA-1	
Beta-Cell	Ngn3	TD1501PA-1	Zhou, Q., J. Brown, et al. (2008). "In vivo reprogramming of adult pancreatic exocrine cells to beta-cells." Nature 455(7213): 627-32.
	Pdx1	TD1502PA-1	
	MafA	TD1503PA-1 (made to order)	
	VP16	TD1504PA-1 (made to order)	
Blood Progenitor	Oct4	TD1002PA-1	Szabo, E., S. Rampalli, et al. "Direct conversion of human fibroblasts to multilineage blood progenitors." Nature 468(7323): 521-6
	Gata1	TD1401PA-1	
	Gata2	TD1402PA-1	
	Gata3	TD1403PA-1	
	Gata-4	TD1103PA-1	
Myocytes	MyoD	TD1601PA-1	Davis, R. L., H. Weintraub, et al. (1987). "Expression of a single transfected cDNA converts fibroblasts to myoblasts." Cell 51(6): 987-1000.
	Mir-1-1	TD1120PA-1	Cordes, K. R., N. T. Sheehy, et al. (2009). "miR-145 and miR-143 regulate smooth muscle cell fate and plasticity." Nature 460(7256): 705-10.
	Mir-133	TD1620PA-1	
	Mir-143	TD1621PA-1	
	Mir-145	TD1622PA-1	
Osteoblast	Mir-2861	TD1820PA-1	Ivey, K. N. and D. Srivastava (2011). "MicroRNAs as regulators of differentiation and cell fate decisions." Cell Stem Cell 7(1): 36-41.
Osteoclast	C-fos	TD1900PA-1	
	Mitf	TD1901PA-1	
	Tfe3	TD1902PA-1	
Endothelium	Runx1	TD1701PA-1	
	C-Myb	TD1702PA-1	