

Stem Cell Solutions

Gene Symbol	Gene Name	Human P/N 4385224	Mouse P/N 4385225
CONTROLS			
ACTB	actin, beta	Hs99999903_m1	Mm00607939_s1
18S	18S ribosomal RNA	Hs99999901_s1	Hs99999901_s1
CTNNB1	catenin (cadherin-associated protein), beta 1	Hs00170025_m1	Mm00483033_m1
EEF1A1	eukaryotic translation elongation factor 1 alpha 1	Hs00742749_s1	Mm01966109_u1
GAPDH	glyceraldehyde-3-phosphate dehydrogenase	Hs99999905_m1	Mm99999915_g1
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	Hs00234119_m1	Mm00466513_m1
PLURIPOTENT MARKERS &/or MAINTENANCE OF PLURIPOTENCY			
DNMT3B	DNA (cytosine-5)-methyltransferase 3 beta	Hs00171876_m1	Mm01240113_m1
GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	Hs00241459_m1	Mm00433473_m1
GDF3	growth differentiation factor 3	Hs00220998_m1	Mm00433563_m1
NANOG	Nanog homeobox	Hs02387400_g1	Mm02384860_g1
POU5F1	POU class 5 homeobox 1	Hs00742896_s1	Mm00658129_gH
SOX2	SRY (sex determining region Y)-box 2	Hs00602736_s1	Mm00488369_s1
TDGF1	teratocarcinoma-derived growth factor 1	Hs02339499_g1	Mm00783944_g1
STEMNESS MARKERS			
CD9	CD9 molecule	Hs00233521_m1	Mm00514275_g1
COMMD3	COMM domain containing 3	Hs00201350_m1	Mm00521684_m1
CRABP2	cellular retinoic acid binding protein 2	Hs00275636_m1	Mm00801693_g1
FGF4	fibroblast growth factor 4	Hs00173564_m1	Mm00438917_m1
FGF5	fibroblast growth factor 5	Hs00170454_m1	Mm00438919_m1
FOXD3	forkhead box D3	Hs00255287_s1	Mm02384867_s1
GAL	galanin prepropeptide	Hs00544355_m1	Mm00439056_m1
GBX2	gastrulation brain homeobox 2	Hs00230965_m1	Mm00494578_m1
GRB7	growth factor receptor-bound protein 7	Hs00917999_g1	Mm01306734_m1
IFITM1	interferon induced transmembrane protein 1	Hs00705137_s1	Mm00850040_g1
IFITM2	interferon induced transmembrane protein 2	Hs00829485_sH	Mm00850080_g1
IL6ST	interleukin 6 signal transducer	Hs00174360_m1	Mm00439668_m1
KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	Hs00174029_m1	Mm00445212_m1
LIFR	leukemia inhibitory factor receptor alpha	Hs00158730_m1	Mm00442940_m1
LIN28	lin-28 homolog	Hs00702808_s1	Mm00524077_m1
NODAL	nodal homolog	Hs00415443_m1	Mm00443040_m1
NOG	noggin	Hs00271352_s1	Mm00476456_s1
NR5A2	nuclear receptor subfamily 5, group A, member 2	Hs00187067_m1	Mm00446088_m1
NR6A1	nuclear receptor subfamily 6, group A, member 1	Hs00265966_m1	Mm00599848_m1
PODXL	podocalyxin-like	Hs00193638_m1	Mm00449829_m1
PTEN	phosphatase and tensin homolog	Hs00829813_s1	Mm00477210_m1
REST	RE1-silencing transcription factor	Hs00194498_m1	Mm00803268_m1
SEMA3A	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A	Hs00173810_m1	Mm00436469_m1
SFRP2	secreted frizzled-related protein 2	Hs00293258_m1	Mm00485986_m1
TERT	telomerase reverse transcriptase	Hs00162669_m1	Mm00436931_m1
TFCP2L1	transcription factor CP2-like 1	Hs00232708_m1	Mm00470119_m1
UTF1	undifferentiated embryonic cell transcription factor 1	Hs00747497_g1	Mm00447703_g1
XIST	X (inactive)-specific transcript	Hs01079824_m1	Mm01232884_m1
ZFP42	zinc finger protein 42 homolog	Hs00399279_m1	Mm01194090_g1
LEFTY2	left-right determination factor 2	Hs00745761_s1	Mm00774547_m1
LEFTY1	left-right determination factor 1	Hs00764128_s1	Mm00438615_m1
EARLY DIFFERENTIATION MARKERS			
BXDC2	brix domain containing 2	Hs00217848_m1	Mm00503229_m1
IGFBP2	insulin-like growth factor 2 mRNA binding protein 2	Hs00538956_m1	Mm00492632_m1
ACTC1	actin, alpha, cardiac muscle 1	Hs00606316_m1	Mm01333821_m1
AFP	alpha-fetoprotein	Hs00173490_m1	Mm00431715_m1
CD34	CD34 molecule	Hs00156373_m1	Mm00519283_m1
CDH5	cadherin 5, type 2, VE-cadherin	Hs00174344_m1	Mm00486938_m1
CDX2	caudal type homeobox 2	Hs00230919_m1	Mm00432449_m1
CGB	chorionic gonadotropin, beta polypeptide	Hs00361224_gH	
COL1A1	collagen, type I, alpha 1	Hs00164004_m1	Mm00801666_g1
COL2A1	collagen, type II, alpha 1	Hs00156568_m1	Mm00491889_m1
DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	Hs00251859_m1	Mm00802445_m1
DES	desmin	Hs00157258_m1	Mm00802455_m1
EOMES	eomesodermin homolog	Hs00172872_m1	Mm01351985_m1
FLT1	fms-related tyrosine kinase 1	Hs00176573_m1	Mm00438980_m1
FN1	fibronectin 1	Hs00277509_m1	Mm01256744_m1
FOXA2	forkhead box A2	Hs00232764_m1	Mm01976556_s1
GATA4	GATA binding protein 4	Hs00171403_m1	Mm00484689_m1
GATA6	GATA binding protein 6	Hs00232018_m1	Mm00802636_m1
GCG	glucagon	Hs00174967_m1	Mm00801712_m1
GCM1	glial cells missing homolog 1	Hs00172692_m1	Mm00492310_m1
GFAP	glial fibrillary acidic protein	Hs00157674_m1	Mm00546086_m1

**TaqMan® Human & Mouse
Pluripotency Array**

Gene Expression Assay Information

Stem Cell Solutions

Gene Symbol	Gene Name	Assay ID	
		Human P/N 4385224	Mouse P/N 4385225
EARLY DIFFERENTIATION MARKERS (continued)			
HBB (Hbb-b2)	hemoglobin, beta	Hs00747223_g1	Mm00731743_mH
HBZ	hemoglobin, zeta	Hs00744391_s1	Mm00439255_m1
HLXB9 [now MNX1]	motor neuron and pancreas homeobox 1	Hs00232128_m1	Mm00658300_g1
IAPP	islet amyloid polypeptide	Hs00169095_m1	Mm00439403_m1
INS	insulin	Hs00355773_m1	Mm00731595_gH
IPF1 [now PDX1]	pancreatic and duodenal homeobox 1	Hs00236830_m1	Mm00435565_m1
ISL1	ISL LIM homeobox 1	Hs00158126_m1	Mm00627860_m1
KRT1	keratin 1	Hs00196158_m1	Mm00492992_g1
LAMA1	laminin, alpha 1	Hs00300550_m1	Mm00439445_m1
LAMB1	laminin, beta 1	Hs00158620_m1	Mm00801853_m1
LAMC1	laminin, gamma 1	Hs00267056_m1	Mm00711820_m1
MYF5	myogenic factor 5	Hs00271574_m1	Mm00435125_m1
MYOD1	myogenic differentiation 1	Hs00159528_m1	Mm00440387_m1
NES	nestin	Hs00707120_s1	Mm00450205_m1
NEUROD1	neurogenic differentiation 1	Hs00159598_m1	Mm01946604_s1
NPPA	natriuretic peptide precursor A	Hs00383230_g1	Mm01255747_g1
OLIG2	oligodendrocyte lineage transcription factor 2	Hs00377820_m1	Mm01210556_m1
PAX4	paired box 4	Hs00173014_m1	Mm01159036_m1
PAX6	paired box 6	Hs00240871_m1	Mm00443072_m1
PECAM1	platelet/endothelial cell adhesion molecule (CD31 antigen)	Hs00169777_m1	Mm00476702_m1
PTF1A	pancreas specific transcription factor, 1a	Hs00603586_g1	Mm00479622_m1
RUNX2	runt-related transcription factor 2	Hs00231692_m1	Mm00501578_m1
SERPINA1	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	Hs00165475_m1	Mm02748447_g1
SOX17	SRY (sex determining region Y)-box 17	Hs00751752_s1	Mm00488363_m1
SST	somatostatin	Hs00174949_m1	Mm00436671_m1
SYCP3	synaptonemal complex protein 3	Hs00538143_m1	Mm00488519_m1
SYP	synaptophysin	Hs00300531_m1	Mm00436850_m1
T	T, brachyury homolog	Hs00610080_m1	Mm00436877_m1
TAT	tyrosine aminotransferase	Hs00356930_m1	Mm01244282_m1
TH	tyrosine hydroxylase	Hs00165941_m1	Mm00447546_m1
WT1	Wilms tumor 1	Hs00240913_m1	Mm00460570_m1

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