PKD1 Knockout cell line(H1)

Catalog Number: KO00697

Product Information

Product Name	PKD1 Knockout cell line(H1)
specification	2*10^5
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Spherical cloning
Passage ratio	1:6-1:8
species	Human
Gene	PKD1
Gene ID	5310
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	EZCell Stem cell complete medium
Parental Cell Line	H1
Quality Control	Genotype: PKD1 Knockout cell line(H1) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses,mycoplasma and other toxins.

Gene Information

Gene Official Full Name	polycystin 1, transient receptor potential channel interactingprovided by HGNC
Also known as	PBP; PC1; Pc-1; TRPP1; eliosin
Gene Description	This gene encodes a member of the polycystin protein family. The encoded glycoprotein contains a large N-terminal extracellular region, multiple transmembrane domains and a cytoplasmic C-tail. It is an integral membrane protein that functions as a regulator of calcium permeable cation channels and intracellular calcium homoeostasis. It is also involved in cell-cell/matrix interactions and may modulate G-protein-coupled signal-transduction pathways. It plays a role in renal tubular development, and mutations in this gene cause autosomal dominant polycystic kidney disease type 1 (ADPKD1). ADPKD1 is characterized by the growth of fluid-filled cysts that replace normal renal tissue and result in end-stage renal failure. Splice variants encoding different isoforms have been noted for this gene. Also, six pseudogenes, closely linked in a known duplicated region on chromosome 16p, have been described. [provided by RefSeq, Oct 2008]
Expression	Ubiquitous expression in endometrium (RPKM 11.1), fat (RPKM 9.6) and 25 other tissues See more