IFNL4 Knockout cell line (U-2932)

Catalog Number: KOA32752

Product Information

Product Name	IFNL4 Knockout cell line (U-2932)
specification	1*10^6
Storage and transportation	Shipped on dry ice; Store in liquid nitrogen
Cell morphology	Human Lymphocyte-like, suspension
Passage ratio	1 : 2-1 : 4
species	Human
Gene	IFNL4
Gene ID	101180976
Build method	Electroporation/Lentivirus
Mycoplasma testing	negative
Cultivation system	90%RPMI-1640+10%FBS
Price (USD)	Inquiry
Parental Cell Line	U-2932
Quality Control	Genotype: IFNL4 Knockout cell line (U-2932)>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	interferon lambda 4 (gene/pseudogene)provided by HGNC
Also known as	IFNAN
Gene Description	This gene is a polymorphic pseudogene which, in some humans, encodes the interferon (IFN) lambda 4 protein. Humans are polymorphic for the dinucleotide TT/deltaG allele. Compared to the ancestral state in non-human primates, the TT allele produces a frameshift in the coding region of this gene which is predicted to induce nonsense-mediated mRNA decay. This allele, and an allele in the first intron of this gene, have experienced a rapid increase in frequency and show indications of positive selection. The ancestral states of these alleles are associated with an impaired ability to clear hepatitis C virus. This gene, like other type III interferons (IFNs), interacts with the IFN lambda receptor complex (IFNLR) whose signaling is generally restricted to epithelial cells. This gene resides in a cluster of four type III IFN genes and at least two pseudogenes on chromosome 19q13.2. In general, interferons are produced in response to viral infection and block viral replication

	and propagation to uninfected cells by activating the JAK-STAT pathway and up-regulating antiviral genes. Multiple alternatively spliced transcripts have been described for this gene but their biological validity and protein coding status is still being ascertained. [provided by RefSeq, May 2017]
Expression	Low expression observed in reference dataset See more