

Product datasheet for **RC206893L4V**

Islet 1 (ISL1) (NM_002202) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Islet 1 (ISL1) (NM_002202) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Islet 1
Synonyms:	Isl-1; ISLET1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002202
ORF Size:	1047 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206893).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_002202.2 , NP_002193.2
RefSeq Size:	2729 bp
RefSeq ORF:	1050 bp
Locus ID:	3670
UniProt ID:	P61371
Cytogenetics:	5q11.1
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
MW:	39 kDa



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Gene Summary:

This gene encodes a member of the LIM/homeodomain family of transcription factors. The encoded protein binds to the enhancer region of the insulin gene, among others, and may play an important role in regulating insulin gene expression. The encoded protein is central to the development of pancreatic cell lineages and may also be required for motor neuron generation. Mutations in this gene have been associated with maturity-onset diabetes of the young. [provided by RefSeq, Jul 2008]