Recombinant Full Length Human ISL1 Protein, GST-tagged

Cat. No. ISL1-5764HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ISL1 full-length ORF (NP_002193.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	346 amino acids
Description	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
Molecular Mass	65.1 kDa
AA Sequence	MGDPPKKKRLISLCVGCGNQIHDQYILRVSPDLEWHAACLKCAECNQYLDESCTCF VRDGKTYCKRDYIRLYGIKCAKCSIGFSKNDFVMRARSKVYHIECFRCVACSRQLIPG DEFALREDGLFCRADHDVVERASLGAGDPLSPLHPARPLQMAAEPISARQPALRPH VHKQPEKTTRVRTVLNEKQLHTLRTCYAANPRPDALMKEQLVEMTGLSPRVIRVWF QNKRCKDKKRSIMMKQLQQQQPNDKTNIQGMTGTPMVAASPERHDGGLQANPVE VQSYQPPWKVLSDFALQSDIDQPAFQQLVNFSEGGPGSNSTGSEVASMSSQLPDT PNSMVASPIEA

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ISL1 ISL LIM homeobox 1 [Homo sapiens]
Official Symbol	ISL1
Synonyms	ISL1; ISL LIM homeobox 1; ISL1 transcription factor, LIM/homeodomain, (islet 1); insulin gene enhancer protein ISL-1; Isl 1; ISLET1; islet-1; ISL1 transcription factor, LIM/homeodomain; Isl-1;
Gene ID	3670
mRNA Refseq	NM_002202
Protein Refseq	NP_002193
MIM	600366
UniProt ID	P61371

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