ISL1 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	ISL1, Lysate
Full Product Name	Human ISL1 Protein Lysate
Product Gene Name	ISL1 lysate
Product Synonym Names	ISL1; Isl-1; ISLET1
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	39,036 Da
OMIM	600366
3D Structure	ModBase 3D Structure for P61371
Related Product Information for ISL1 lysate	Human ISL1 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of ISL1 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ISL1 purchase	MBS8413717 is a lysate targeting ISL1. Also known as Human ISL1 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ISL1. It may not necessarily be applicable to this product.

NCBI GI #	115387114
NCBI GeneID	3670
NCBI Accession #	NP_002193
UniProt Primary Accession #	P61371
UniProt Secondary Accession #	P20663; P47894
UniProt Related Accession #	P61371
GenBank Nucleotide #	NM_002202
NCBI Official Full Name	insulin gene enhancer protein ISL-1
NCBI Official Synonym Full Names	ISL LIM homeobox 1
NCBI Official Symbol	ISL1
NCBI Official Synonym Symbols	Isl-1; ISLET1
UniProt Protein Name	Insulin gene enhancer protein ISL-1
Protein Family	Insulin gene enhancer protein

UniProt Gene Name	ISL1
UniProt Synonym Gene Names	Islet-1
UniProt Entry Name	ISL1_HUMAN
NCBI Protein Information	insulin gene enhancer protein ISL-1; ISL1 transcription factor, LIM/homeodomain; islet-1
UniProt Comments for ISL1	ISL1: Binds to one of the cis-acting domain of the insulin gene enhancer. Protein type: Cell development/differentiation; Nuclear receptor co-regulator; DNA-binding; Transcription factor; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 5q11.1 Cellular Component: nucleoplasm; mitochondrion; cytoplasm; nucleus Molecular Function: ligand-dependent nuclear receptor binding; zinc ion binding; bHLH transcription factor binding; estrogen receptor binding; chromatin binding Biological Process: positive regulation of granulocyte macrophage colony-stimulating factor production; positive regulation of interleukin-12 production; positive regulation of interleukin-1 alpha production; negative regulation of transcription from RNA polymerase II promoter; positive regulation of tyrosine phosphorylation of Stat3 protein; negative regulation of estrogen receptor signaling pathway; pancreas development; positive regulation of cell proliferation; ventricular cardiac muscle morphogenesis; neuron fate specification; negative regulation of neuron apoptosis; sensory system development; neural crest cell migration; positive regulation of DNA binding; trigeminal nerve development; pharyngeal system development; axon regeneration; spinal cord motor neuron cell fate specification; positive regulation of insulin secretion; positive regulation of interleukin-6 production; spinal cord motor neuron differentiation; positive regulation of tumor necrosis factor production; positive regulation of interleukin-1 beta production; positive regulation of interferon-gamma production; negative regulation of neuron differentiation; positive regulation of angiogenesis; mesenchymal cell differentiation; visceral motor neuron differentiation; pituitary gland development; negative regulation of inflammatory response; positive regulation of transcription from RNA polymerase II promoter; peripheral nervous system neuron axonogenesis; retinal ganglion cell axon guidance
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