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## Datasheet for ABIN1474912 ISL1 Protein (AA 1-349) (His tag)

### Overview

Quantity:	1 mg
Target:	ISL1
Protein Characteristics:	AA 1-349
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ISL1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MGDMGDPPKK KRLISLCVGC GNQIHDQYIL RVSPDLEWHA ACLKCAECNQ YLDESCTCFV RDGKTYCKRD YIRLYGIKCA KCSIGFSKND FVMRARSKVY HIECFRCVAC SRQLIPGDEF ALREDGLFCR ADHDVVERAS LGAGDPLSPL HPARPLQMAA EPISARQPAL RPHVHKQPEK TTRVRTVLNE KQLHTLRTCY AANPRPDALM KEQLVEMTGL SPRVIRVWFQ NKRCCKDKKRS IMMKQLQQQQ PNDKTNIQGM TGTPMVAASP ERHDGGLQAN PVEVQSYQPP WKVLSDFALQ SDIDQPAFQQ LVNFSEGGPG SNSTGSEVAS MSSQLPDTN SMVASPIEA
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

## Target Details

Target:	ISL1
Alternative Name:	Insulin gene enhancer protein ISL-1 (Isl1) ( <a href="#">ISL1 Products</a> )
Background:	Recommended name: Insulin gene enhancer protein ISL-1. Short name= Islet-1
UniProt:	<a href="#">P61374</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Nuclear Hormone Receptor Binding</a> , <a href="#">Chromatin Binding</a>

## Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.