

CA1032	ISL1	
	Recombinant Protein (AA 1-100)	
	Prod. No. S2102-20UG	
	For Research Use Only Not intended for use in humans or animals	
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Source	Human
Tested Applications	SDS-PAGE, ELISA
Sequence	Amino Acids 1-100
Epitope tag(s)	none

Background: ISL1 is a transcription factor that has been shown to bind a cis-acting domain of the insulin gene enhancer. It contains two N-terminal LIM zinc-binding domains, and one homeobox DNA-binding domain. During embryonic development, ISL1 has been identified as a marker for cardiovascular progenitor cells that form the three major cell types in the heart (cardiac, smooth muscle, and endothelial cells). In addition, ISL1 is a marker for endocrine progenitor cells in the pancreas, and plays a critical role in the development of mature islet beta cells.

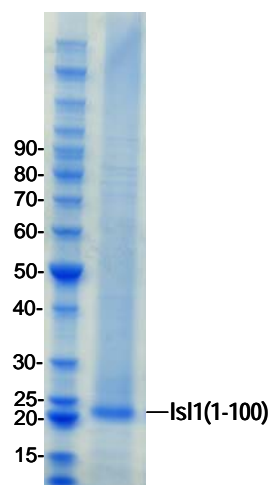
Size: 20 µg
Description: Recombinant human ISL1 protein fragment (AA 1-100).
Expression: Protein was expressed in <i>E. coli</i> and refolded to soluble form.
Formulation: 1.4 mg/ml (determined by Bradford assay) in hs-PBS (1.5 mM KH ₂ PO ₄ , 8.1 mM Na ₂ HPO ₄ , 500 mM NaCl, 2.7 mM KCl, pH 7.4) Preservative: none
Purity: >90% by SDS-PAGE
Storage: Store at -80 °C. Avoid multiple freeze-thaws.
Alternative Names: Insulin gene enhancer protein ISL-1; Islet-1
Size: 11.5 kDa (AA 1-100). Full length ISL1 = 39.0 kDa (349 AA)
Database Links: RefSeq Protein NP_002193 RefSeq mRNA NM_002202 UniProt P61371

Applications:

ISL1 recombinant protein (AA 1-100) (5 µg) was resolved by SDS-PAGE and stained with Coomassie dye. ISL1 has been shown to run at an apparent molecular weight higher than predicted.

Note: Representative data are shown (not Lot-specific).

SDS-PAGE



Warranty: Each Lot has been verified to meet quality specifications in accordance with testing guidelines. We will replace the product if it does not conform to specifications. Product guaranteed for 6 months from date of purchase if stored as directed. This product must not be resold without written permission from Primorigen Biosciences.

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