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Datasheet for ABIN7275656

SIRP-beta Protein (AA 30-369) (His-Avi Tag)

2 Images

Overview

Quantity:	100 µg
Target:	SIRP-beta (SIRPB1A)
Protein Characteristics:	AA 30-369
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIRP-beta protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human SIRP Beta/CD172b Protein
Sequence:	Glu30-Ala369
Characteristics:	Recombinant Human SIRP Beta/CD172b Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Glu30-Ala369.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	SIRP-beta (SIRPB1A)
Alternative Name:	SIRP Beta (SIRPB1A Products)

Target Details

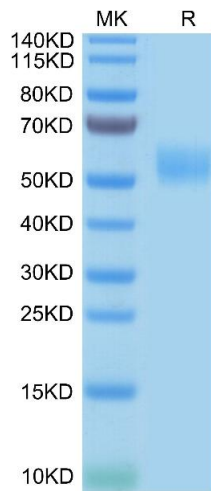
Background:	SIRP beta 1 is a type I transmembrane protein belonging to the SIRP family within the Ig superfamily. Members of this family are characterized by an extracellular region containing a V-set Ig domain containing a J-like sequence and two C1-set Ig domains. SIRP beta 1 is immunoglobulin-like cell surface receptor involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. Participates also in the recruitment of tyrosine kinase SYK. Triggers activation of myeloid cells when associated with TYROBP.
Molecular Weight:	40 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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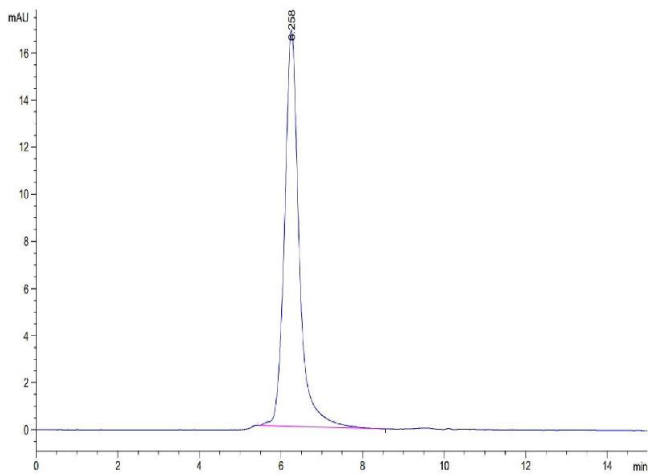
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human SIRP Beta on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human SIRP Beta is greater than 95 % as determined by SEC-HPLC.