



Datasheet for ABIN7275660

SIRPB1 Protein (AA 30-371, Isoform 3) (His-Avi Tag)



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2 Images

Overview

Quantity:	100 µg
Target:	SIRPB1
Protein Characteristics:	AA 30-371, Isoform 3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIRPB1 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human SIRP Beta 1 isoform 3 Protein
Sequence:	Glu30-Leu371
Characteristics:	Recombinant Human SIRP Beta 1 isoform 3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu30-Leu371.
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:	SIRPB1
Alternative Name:	SIRP Beta 1 (SIRPB1 Products)

Target Details

Background: Signal regulatory protein $\beta 1$ (SIRPB1) is a signal regulatory protein member of the immunoglobulin superfamily and is capable of modulating receptor tyrosine kinase-coupled signaling. Copy number variations at the SIRPB1 locus were previously reported to associate with prostate cancer aggressiveness in patients. SIRPB1 gene amplification and overexpression were detected in prostate cancer specimens. The knockdown of SIRPB1 significantly suppressed cell growth in colony formation assays and cell mobility.

Molecular Weight: 39.9 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

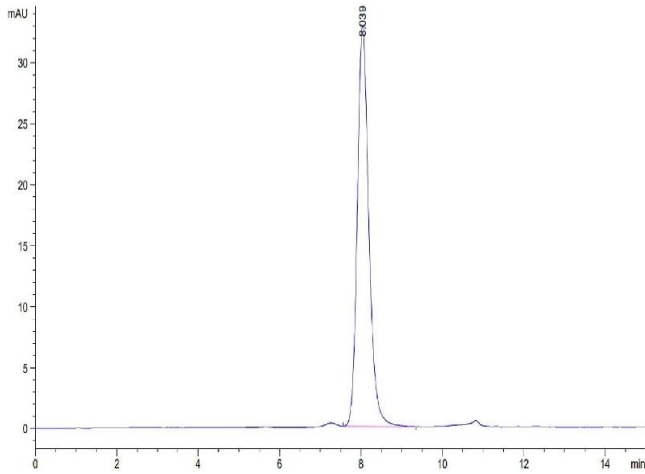
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{mL}$ is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C, -80 °C

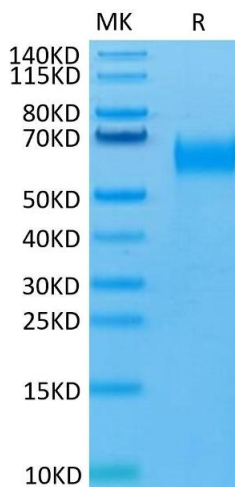
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human SIRP Beta 1 isoform 3 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human SIRP Beta 1 isoform 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .