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## Datasheet for ABIN7520515 SIRPB1 Protein (His tag)

### Overview

Quantity:	100 µg
Target:	SIRPB1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIRPB1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human SIRP-beta-1/SIRPB1/CD172b Protein
Sequence:	EDELQVIQPE KSVSVAAGES ATLRCAMTSL IPVGPIMWFR GAGAGRELIY NQKEGHFPRV TTVSELTKRN NLDFSISISN ITPADAGTY CVKFRKGS PD DVEFKSGAGT ELSVRAKPSA PVVSGPAVRA TPEHTVSFTC ESHGFSPRDI TLKWFKN GNE LSDFQTNVDP AGDSVSYSIH STARVVLTRG DVHSQVICEI AHITLQGDPL RGTANLSEAI RVPPTLEV TQ QPMRAENQAN VTCQVSNFY P RGLQLTWLEN GNVSR TETAS TLIENKDGTY NWMSWLLVNT CAHRDDVVLT CQVEHDGQQA VSKSYALEIS AHQKEHGS DI THEAALAPTA PL
Specificity:	Glu30-Leu371
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

## Target Details

Target:	SIRPB1
Alternative Name:	SIRP-beta-1/SIRPB1/CD172b ( <a href="#">SIRPB1 Products</a> )
Background:	<p>Description: Signal-regulatory protein beta-1 (SIRP beta 1) also known as SIRP1, belongs to signal-regulatory-protein (SIRP) family, and immunoglobulin superfamily. Signal-regulatory proteins (SIRPs) are cell-surface glycoproteins expressed on myeloid and neural cells that have been shown to recruit SH2 domain-containing protein phosphatase 1 (SHP-1) and SHP-2 and to regulate receptor tyrosine kinase-coupled signaling. SIRP are classified as SIRP alpha molecules, containing 11- to 113-amino acid long, or SIRP beta molecules, with a 5-amino acid long intracytoplasmic domain. SIRP beta 1 is a new DAP12-associated receptor involved in the activation of myeloid cells, which contains a short cytoplasmic domain that lacks sequence motifs capable of recruiting SHP-1 and SHP-2. SIRP beta 1 acts as an activating isoform of SIRP alpha molecules, confirming the co-existence of inhibitory ITIM-bearing molecules, recruiting SHP-1 and SHP-2 protein tyrosine phosphatases, and activating counterparts, whose engagement couples to protein tyrosine kinases via ITAM-bearing molecules.</p> <p>Name: 9930027N05Rik,SIRP-beta,Sirpb,Sirpb1,SIRPB1</p>
Gene ID:	10326
UniProt:	<a href="#">O00241</a>

## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.