

Recombinant Human SIRPB2 protein, Fc-tagged

Cat. No. SIRPB2-349H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRPB2 protein (Glu29-Ser364), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	336
Description	Signal-regulatory protein gamma (SIRPG or SIRP-gamma) is also known as CD172 antigen-like family member B (CD172g), Signal-regulatory protein beta-2 (SIRPB2), is a single-pass type I membrane protein. SIRPG is expressed on CD4+ T-cells, CD8+ T-cells, CD56-bright natural killer (NK) cells, CD20+ cells, and all activated NK cells. SIRPG interacts with CD47. On binding with CD47, CD172g mediates cell-cell adhesion.
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 63.7 kDa. The protein migrates as 68-75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

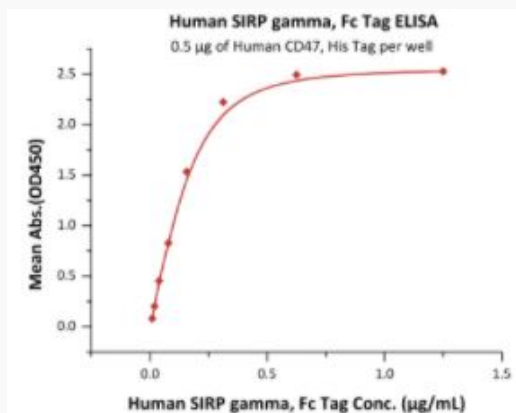
Gene Name	SIRPB2
Official Symbol	SIRPB2
Synonyms	PTPN1L; PTPNS1L3; dJ776F14.2
Gene ID	284759
mRNA Refseq	NM_001122962.2
Protein Refseq	NP_001116434.1
MIM	605466
UniProt ID	Q9P1W8

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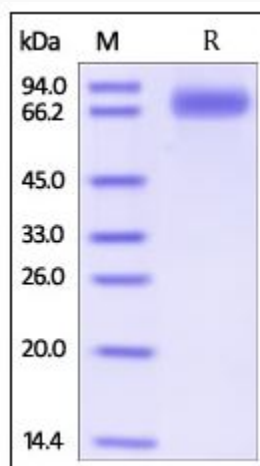
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Bioactivity-ELISA of SIRPB2-349H



Immobilized Human CD47, His Tag at 5 µg/mL (100 µL/well) can bind Human SIRP gamma, Fc Tag with a linear range of 0.01-0.156 µg/mL (QC tested).

SDS-PAGE of SIRPB2-349H



Human SIRP gamma, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.