

Product datasheet

Recombinant Cynomolgus monkey SIRP alpha protein (Tagged) (Biotin) ab271742

1 Image

Description

Product name	Recombinant Cynomolgus monkey SIRP alpha protein (Tagged) (Biotin)
Purity	>= 90 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	<u>I7G9Z7</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Cynomolgus monkey
Sequence	EEELQVIQPE KSVSVAAGDS ATLNCTVSSL IPVGPIQWFR GAGPGRELIY NLKEGHFPRV TAVSDPTKRN NMDFSIRISN ITPADAGTY CVKFRKGSPD VELKSGAGTE LSVRAKPSAP VVSGPAVRAT AEHTVSFTCE SHGFSPRDIT LKWFKNGNEL SDVQTNVDPA GKSVSYSIRS TARVLLTRRD VHSQVICEVA HVTLQGDPLR GTANLSEAIR VPPFLEVTTQQ SMRADNQVNV TCQVTKFYYPQ RLQLTWLENG NVSRTEMASA LPENKDGTYN WTSWLLVNVS AHRDDVKLTC QVEHDGQPAV NKSFVVKVSA HPKEEQGSNTA AENTGTNERN
Predicted molecular weight	42 kDa
Amino acids	31 to 370
Tags	His tag C-Terminus , Avi tag C-Terminus
Conjugation	Biotin

Specifications

Our **Abpromise guarantee** covers the use of **ab271742** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
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Form	Liquid
Additional notes	Enzymatically biotin-labeled using Avi-tag™ technology

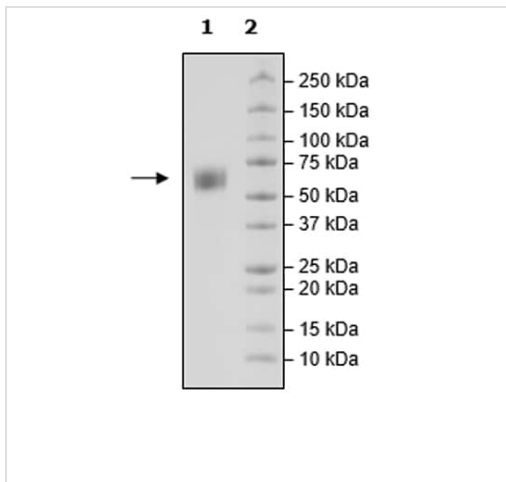
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. Store In the Dark. pH: 7.40 Constituents: 0.13% Sodium phosphate, 0.64% Sodium chloride, 0.02% Potassium chloride, 20% Glycerol (glycerin, glycerine)
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General Info

Function	Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function (By similarity). Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. Mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells.
Tissue specificity	Ubiquitous. Highly expressed in brain. Detected on myeloid cells, but not T-cells. Detected at lower levels in heart, placenta, lung, testis, ovary, colon, liver, small intestine, prostate, spleen, kidney, skeletal muscle and pancreas.
Sequence similarities	Contains 2 Ig-like C1-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Post-translational modifications	N-glycosylated. Phosphorylated on tyrosine residues in response to stimulation with EGF, growth hormone, insulin and PDGF. Dephosphorylated by PTPN11.
Cellular localization	Membrane.

Images



SDS-PAGE analysis of 4 µg ab271742.

This protein is heavily glycosylated, resulting in apparent higher molecular weight.

SDS-PAGE - Recombinant Cynomolgus monkey
SIRP alpha protein (Tagged) (Biotin) (ab271742)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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