

## Product datasheet

# Recombinant Human SIRP alpha protein (Tagged) ab268010

### Description

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<b>Product name</b>	Recombinant Human SIRP alpha protein (Tagged)
<b>Purity</b>	> 85 % SDS-PAGE.
<b>Expression system</b>	Mammalian
<b>Accession</b>	<b><u>P78324</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	EEELQVIQPKSVLVAAGETATLRCTATSLIPVGPIQWFRG AGPGRELIY NQKEGHFPRVTTVSDLTKRNNMDFSIRIGNITPADAGTYIC VKFRKGGSPD DVEFKSGAGTELSVRAKPSAPVVSGPAARATPQHTVSFT CESHGFSPRDI TLKWFKNGNELSDFQTNVDPVGESVSYSIHSTAKVVLTRE DVHSQVICEV AHVTLQGDPLRGTANLSETIRVPPTLEVTQQPVRAENQVN VTCQVRKFYP QRLQLTWLENGNVSRTETASTVTENKDGTYNWMSWLLVN VSAHRDDVKLT CQVEHDGQPAVSKSHDLKVSAHPKEQGSNTAAENTGSN ER
<b>Predicted molecular weight</b>	55 kDa
<b>Amino acids</b>	31 to 370
<b>Tags</b>	Fc tag C-Terminus
<b>Additional sequence information</b>	C-terminal FC-Myc-tagged.

### Specifications

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Our **Abpromise guarantee** covers the use of **ab268010** 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

**Form** Liquid

## Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: PBS, 6% Trehalose

Lyophilized from.

## General Info

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**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.

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

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

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