

# Recombinant Human SIRP alpha protein (Fc Chimera) ab217557

1 Image

Description	
Product name	Recombinant Human SIRP alpha protein (Fc Chimera)
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	<u>P78324</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	EEELQVIQPKSVSVAAGESAILHCTVTSLIPVGPIQWFRG AGPARELIY NQKEGHFPRVTTVSESTKRENMDFSISISNITPADAGTYYC VKFRKGSPD TEFKSGAGTELSVRAKPSAPVVSGPAARATPQHTVSFTC ESHGFSPRDI LKWFKNGNELSDFQTNVDPVGESVSYSIHSTAKVVLTRE DVHSQVICEVA HVTLQGDPLRGTANLSETIRVPPTLEVTTQPVRAENQVNV TCQVRKFYPQ RLQLTWLENGNVSRTETASTVTENKDGTYNWMSWLLVNV SAHRDDVKLTC QVEHDGQPAVSKSHDLKVS AHPKEQGSNTAAENTGSNE RDIEGRMDEPKS CDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEV TCVVVDVSHE DPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTV LHQDWLNGKEY KCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMT KNQVSLTCLV KGFYPSDIAVEWESNGQPENNYKTTTPVLDSGSSFFLYS KLTVDKSRWQQ

<b>Predicted molecular weight</b>	64 kDa including tags
<b>Amino acids</b>	31 to 370
<b>Tags</b>	Fc tag C-Terminus
<b>Additional sequence information</b>	Expressed with a Fc tag at the C-terminus.

## Specifications

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Our **Abpromise guarantee** covers the use of **ab217557** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized

## Preparation and Storage

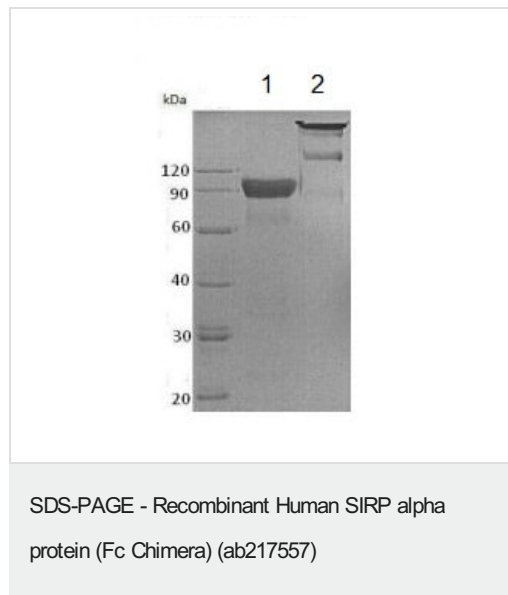
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<b>Stability and Storage</b>	<p>Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle.</p> <p>pH: 7.40</p> <p>Constituent: 100% PBS</p> <p>Lyophilized from a 0.2 µm filtered solution.</p>
<b>Reconstitution</b>	<p>Dissolve the lyophilized protein in ddH<sub>2</sub>O. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p>

## General Info

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<b>Function</b>	<p>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.</p>
<b>Tissue specificity</b>	<p>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.</p>
<b>Sequence similarities</b>	<p>Contains 2 Ig-like C1-type (immunoglobulin-like) domains.</p> <p>Contains 1 Ig-like V-type (immunoglobulin-like) domain.</p>
<b>Post-translational modifications</b>	<p>N-glycosylated.</p> <p>Phosphorylated on tyrosine residues in response to stimulation with EGF, growth hormone, insulin and PDGF. Dephosphorylated by PTPN11.</p>
<b>Cellular localization</b>	<p>Membrane.</p>



SDS-PAGE analysis of ab217557.

Lane 1: Reduced sample.

Lane 2: Non reduced sample.

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

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