

Recombinant Mouse SIRP alpha protein (Tagged)
ab215593

Description	
Product name	Recombinant Mouse SIRP alpha protein (Tagged)
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	Mammalian
Accession	<u>Q6P6I8</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	KELKVTQPEKSVSVAAGDSTVLNCTLTSLLPVGPIRWYRG VGPSRLLIYS FAGEYVPRIRNVSDTTKRNNMDFSIRISNVTPADAGIYCVK FQKGSSEP DTEIQSGGGTEVYVLAKPSPPEVSGPADRGIPDQKVNFTC KSHGFSPRNI TLKWFKDGQELHPLETTVNP SGKNSYNISSTVRVVLNSM DVNSKVICEV AHITLDRSPLRGIANLSNFIRVSPTV/KVTQQSPTSMNQVNL TCRAERFYP EDLQLIWLENGNVSRNDTPKNLTKNTDGTNYTSLFLVNS SAHREDVVFT CQVKHDQQPAITRNHTVLGFAHSSDQGSMQTFPDNNATH NWNIEGRMDPE PRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDVLMSLS PNTCVVVD VSEDDPDVQISWVFNNEVHTAQTQTHREDYNSTLRVVS ALPIQHQDWMS GKEFKCKVNNKDLPAPIERTISKPKGSVRAPQVYVLPPE EEMTKKQVTL TCMVTDMPEDIYVEWTNNGKTELNYKNTEPVLDSGGSYF MYSKLRVEKK NWVERNSYSCSVVHEGLHNHHTTKSFSRTPGK

Predicted molecular weight	65 kDa including tags
Amino acids	32 to 372
Additional sequence information	C terminal MlgG2a tag.

Specifications

Our **Abpromise guarantee** covers the use of **ab215593** 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	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C long term. pH: 7.40 Constituent: 100% PBS
------------------------------	--

Lyophilized from a 0.2 µm filtered solution

Reconstitution	Reconstitute with ddH ₂ O to a concentration no less than 100 µg/mL. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
-----------------------	---

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.

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

- 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, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors