

## Active Recombinant Human SIRPA protein, IFC-tagged

Cat. No. SIRPA-0685H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SIRPA protein(Glu31-Ser148), fused with IFC tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	31-148 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human SIRP alphaV2 (31-148), Llama IgG2b Fc Tag at 5 µg/mL (100 µL/well) can bind Human CD47, His Tag with a linear range of 0.02-0.313 µg/mL. Immobilized Human CD47, His Tag at 5 µg/mL (100 µL/well) can bind Human SIRP alphaV2 (31-148), Llama IgG2b Fc Tag with a linear range of 0.2-5 ng/mL. Please note that there may be a cross-reaction between anti-human IgG Fc antibodies and llama IgG Fc tag, also between anti-llama IgG Fc antibodies and human IgG Fc tag.
<b>Molecular Mass</b>	This protein carries a llama IgG2b Fc tag at the C-terminus. The protein has a calculated MW of 40.6 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Glu31-Ser148

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<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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

<b>Gene Name</b>	<a href="#">SIRPA signal-regulatory protein alpha [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">SIRPA</a>
<b>Synonyms</b>	SIRPA; signal-regulatory protein alpha; protein tyrosine phosphatase, non receptor type substrate 1 , PTPNS1; tyrosine-protein phosphatase non-receptor type substrate 1; BIT; CD172a; MFR; MYD 1; P84; SHPS 1; SHPS1; SIRP; SIRP ALPHA 1; SIRPalpha; SIRPalpha2; myd-1 antigen; inhibitory receptor SHPS-1; macrophage fusion receptor; CD172 antigen-like family member A; tyrosine phosphatase SHP substrate 1; brain-immunoglobulin-like molecule with tyrosine-based activation motifs; MYD-1; CD172A; PTPNS1;
<b>Gene ID</b>	<a href="#">140885</a>
<b>mRNA Refseq</b>	<a href="#">NM_001040022</a>
<b>Protein Refseq</b>	<a href="#">NP_001035111</a>
<b>MIM</b>	<a href="#">602461</a>

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