

## Active Recombinant Human SIRPA protein, His-tagged

Cat. No. SIRPA-3218H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SIRPA protein(NP_542970.1)(Met1-Arg370, Gly 75 Ala), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-370 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	Immobilized Recombinant Human CD47 Protein (ECD,Fc Tag) at 2 µg/mL (100 µL/well) can bind Recombinant Human SIRP alpha / CD172a Protein (ECD, His Tag), the EC50 is 280-850 ng/mL.
<b>Molecular Mass</b>	The recombinant human SIRPA consists of 351 amino acids and predicts a molecular mass of 39 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of human SIRPA is approximately 45-55 kDa due to glycosylation.
<b>Proteinlength</b>	Met1-Arg370,Gly75Ala
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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<b>Purity</b>	> 98 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. 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>	SIRPA signal-regulatory protein alpha [ Homo sapiens ]
<b>Official Symbol</b>	SIRPA
<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>	140885
<b>mRNA Refseq</b>	NM_001040022
<b>Protein Refseq</b>	NP_001035111
<b>MIM</b>	602461

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