

## Active GMP Recombinant Human SIRPA protein

Cat. No. SIRPA-475HG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	GMP Recombinant Human SIRPA protein(NP_542970.1)(241 aa), fused with His Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	DNA sequence encoding Human SIRP alpha(NCBI Reference Sequence: NP_542970.1) was expressed with His tag at the C-terminal.
<b>Form</b>	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
<b>Bio-activity</b>	The linear range of immobilized Human CD47(Fc Tag) at 5g/mL(100 uL/well) that can bind to human SIRP alpha (His Tag) is 10-500ng/mL.
<b>Molecular Mass</b>	Recombinant Human SIRP alpha protein contains 241 aa. It has a predicted MW of 39 kDa.
<b>Endotoxin</b>	<0.1EU/ug
<b>Purity</b>	>=95% by SDS-PAGE and HPLC
<b>Storage</b>	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing

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**Reconstitution** 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>	SHPS1; SIRPA; CD172A; BIT; MFR; MYD1; P84; PTPNS1
<b>Gene ID</b>	140885
<b>mRNA Refseq</b>	NM_001040022
<b>Protein Refseq</b>	NP_001035111
<b>MIM</b>	602461
<b>UniProt ID</b>	P78324

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