

Active GMP Recombinant Human SIRPA protein

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	DNA sequence encoding Human SIRP alpha(NCBI Reference Sequence: NP_542970.1) was expressed with His tag at the C-terminal.
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	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.
Molecular Mass	Recombinant Human SIRP alpha protein contains 241 aa. It has a predicted MW of 39 kDa.
Endotoxin	<0.1EU/ug
Purity	>=95% by SDS-PAGE and HPLC
Storage	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

Gene Name	SIRPA signal-regulatory protein alpha [Homo sapiens]
Official Symbol	SIRPA
Synonyms	SHPS1; SIRPA; CD172A; BIT; MFR; MYD1; P84; PTPNS1
Gene ID	140885
mRNA Refseq	NM_001040022
Protein Refseq	NP_001035111
MIM	602461
UniProt ID	P78324

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