

Active Recombinant Human SIRPA protein, hFc-tagged, Low Endotoxin

Cat. No. SIRPA-8543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRPA protein(AAH26692.1)(Glu31-Arg369), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	31-369 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human CD47, His Tag at 2µg/ml (100µl/Well). Dose response curve for Human SIRP alpha V2, hFc Tag with the EC50 of 41.9ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 63.9 kDa. Due to glycosylation, the protein migrates to 85-95 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities

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for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [SIRPA signal-regulatory protein alpha \[Homo sapiens \]](#)

Official Symbol [SIRPA](#)

Synonyms

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;

Gene ID [140885](#)

mRNA Refseq [NM_001040022](#)

Protein Refseq [NP_001035111](#)

MIM [602461](#)

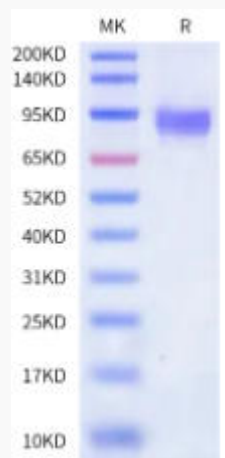
UniProt ID [P78324](#)

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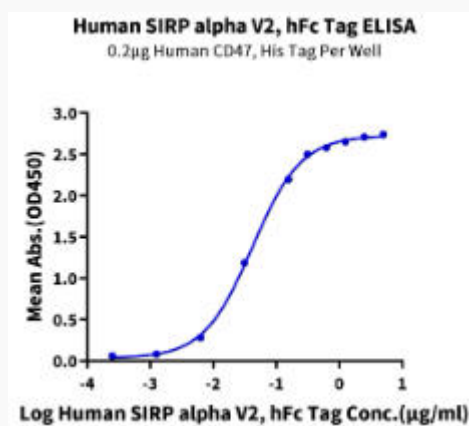
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Bis-Tris PAGE



ELISA Data



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