

Active Recombinant Human SIRPA Protein, His & Avi-tagged, Biotinylated

Cat. No. SIRPA-347H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRPA Protein, His & Avi-tagged, Biotinylated is expressed from human 293 cells (HEK293). It contains AA Glu 31 - Arg 370 (Accession # NP_001035111). Predicted N-terminus: Glu 31. This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag. The protein has a calculated MW of 39.9 kDa. The protein migrates as 50-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Species	Human
Source	HEK293
ProteinLength	Glu 31 - Arg 370
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human CD47, Fc Tag at 5 µg/mL (100 µL/well) can bind Recombinant Human SIRPA Protein, His & Avi-tagged, Biotinylated with a linear range of 0.078-0.625 µg/mL (QC tested).
Molecular Mass	39.9 kDa
Endotoxin	Less than 1.0 EU per

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	µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-HPLC.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	SIRPA signal-regulatory protein alpha [Homo sapiens]
Official Symbol	SIRPA
Synonyms	SIRPA; BIT; CD172a; MFR; MYD 1; P84; SHPS 1; SHPS1; SIRP; SIRP ALPHA 1; SIRPalpha; SIRPalpha2; myd-1 antigen; MYD-1; CD172A; PTPNS1;
Gene ID	140885

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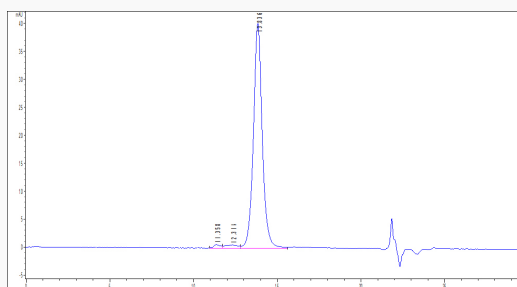
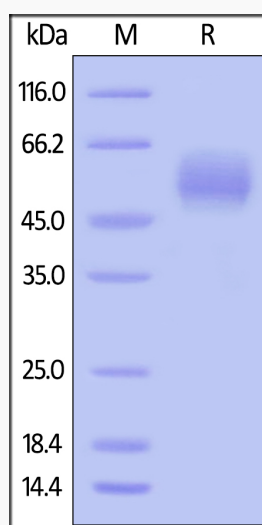
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mRNA Refseq [NM_001040022](#)

Protein Refseq [NP_001035111](#)

MIM [602461](#)

UniProt ID [P78324](#)



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