

Active Recombinant Mouse SIRPA protein, His-Avi-tagged, Biotinylated

Cat. No. SIRPA-0701M Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Mouse SIRPA protein(Lys32-Asn373), fused with His and Avi tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	32-373 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Biotinylated Mouse SIRP alpha, His,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Mouse CD47, Mouse IgG2a Fc Tag, low endotoxin with a linear range of 0.2-5 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 41.5 kDa. The protein migrates as 55-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Lys32-Asn373
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Sirpa signal-regulatory protein alpha [Mus musculus]
Official Symbol	SIRPA
Synonyms	SIRPA; signal-regulatory protein alpha; tyrosine-protein phosphatase non-receptor type substrate 1; mSIRP-alpha1; sirp-alpha-1; myD-1 antigen; SHP substrate 1; inhibitory receptor SHPS-1; signal-regulatory protein alpha-1; CD172 antigen-like family member A; brain immunological-like with tyrosine-based motifs; protein tyrosine phosphatase, non-receptor type substrate 1; brain Ig-like molecule with tyrosine-based activation motifs; Bit; P84; SIRP; SHP-1; CD172a; Ptpns1; SHPS-1; AI835480;
Gene ID	19261
mRNA Refseq	NM_001177646
Protein Refseq	NP_001171117

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