Active Recombinant Rat Sirpa protein, His-tagged

Cat. No. Sirpa-23R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Sirpa protein(P97710)(Met1-Asn373), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Asn373
Form	Lyophilized from sterile PBS, pH 7.4.Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1.Measured by its binding ability in a functional ELISA. 2.Immobilized rat SIRPA-His at 10μg/mL (100μL/well) can bind biotinylated rat CD47-His, the EC50 of biotinylated rat CD47-His is 0.1-0.4ug/mL.
Molecular Mass	The recombinant rat SIRPA comprises 353 amino acids and predicts a molecular mass of 39 kDa. The apparent molecular mass of the recombinant protein is approximately 63-80 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. 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.

GENE INFORMATION

Gene Name	Sirpa signal-regulatory protein alpha [Rattus norvegicus]
Official Symbol	Sirpa
Synonyms	SIRPA; signal-regulatory protein alpha; tyrosine-protein phosphatase non-receptor type substrate 1; sirp-alpha-1; SHP substrate 1; inhibitory receptor SHPS-1; macrophage fusion receptor; signal-regulatory protein alpha-1; CD172 antigen-like family member A; macrophage membrane protein MFP150; brain Ig-like molecule with tyrosine-based activation motifs; Brain immunoglobulin like protein with tyrosine -based activation motifs; Protein tyrosine phosphatase non-receptor type substrate 1 (SHP substrate 1); Protein tyrosine phosphatase, non-receptor type substrate 1 (SHP substrate 1); Bit; Ptpns1; SHPS-1;
Gene ID	25528
mRNA Refseq	NM_013016
Protein Refseq	NP_037148

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