

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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