

## Active Recombinant Mouse SIRPA protein(Met1-Asn373), His-tagged

Cat. No. SIRPA-1251M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse SIRPA (BAA20376.1) (Met1-Asn373) was expressed in HEK293 with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Asn373
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Mouse SIRPA-His at 10 µg/ml (100 µl/well) can bind Human CD47-Fc, The EC50 of Human CD47-Fc is 0.05-0.13 µg/ml.
<b>Molecular Mass</b>	The secreted recombinant Mouse SIRPA comprises 353 amino acids and has a calculated molecular mass of 39.4 kDa. As a result of glycosylation, the apparent molecular mass of Mouse SIRPA is approximately 50-70 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 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 \[ Mus musculus \]](#)

**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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