

Recombinant Mouse Sirpa Protein (Lys32-Leu146), Fc tagged

Cat. No. Sirpa-6805M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Sirpa (Lys32-Leu146) fused with the Fc tag was expressed in mammalian cells.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Lys32-Leu146
Description	Enables protein phosphatase binding activity and protein phosphorylated amino acid binding activity. Involved in several processes, including negative regulation of MAPK cascade; negative regulation of cytokine production; and negative regulation of nitrogen compound metabolic process. Acts upstream of or within several processes, including hematopoietic progenitor cell differentiation; phagocytosis; and positive regulation of phagocytosis. Is integral component of plasma membrane. Is expressed in several structures, including adrenal gland; cartilage; central nervous system; genitourinary system; and retina. Orthologous to several human genes including SIRPA (signal regulatory protein alpha).
Form	Lyophilized powder/frozen liquid
Molecular Mass	45.67 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Sirpa signal-regulatory protein alpha [Mus musculus (house mouse)] Gene ID: 19261, updated on 6-Oct-2023 Download Datasets Summary Official Symbol Sirpaprovided by MGI Official Full Name signal-regulatory protein alphaprovided by MGI Primary source MGI:MGI:108563 See related Ensembl:ENSMUSG00000037902 AllianceGenome:MGI:108563 Gene type protein coding RefSeq status VALIDATED
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	Organism Mus musculus Lineage Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Myomorpha; Muroidea; Muridae; Murinae; Mus; Mus Also known as Bit; P84; SIRP; SHP-1; CD172a; Ptpns1; SHPS-1; Idd13.2
Official Symbol	Sirpa
Synonyms	Sirpa; signal-regulatory protein alpha; Bit; P84; SIRP; SHP-1; CD172a; Ptpns1; SHPS-1; Idd13.2; tyrosine-protein phosphatase non-receptor type substrate 1; CD172 antigen-like family member A; SHP substrate 1; brain Ig-like molecule with tyrosine-based activation motifs; brain immunological-like with tyrosine-based motifs; inhibitory receptor SHPS-1; mSIRP-alpha1; myD-1 antigen; protein tyrosine phosphatase, non-receptor type substrate 1; signal-regulatory protein alpha-1; sirp-alpha-1; EC 3.1.3.48
Gene ID	19261
mRNA Refseq	NM_001177647
Protein Refseq	NP_001171118
UniProt ID	P97797