

32-13800: SIRPA Human, HEK

Format :	The SIRPA solution (1mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.
Alternative Name :	Tyrosine-protein phosphatase non-receptor type substrate 1 isoform 1, SHP substrate 1, SHPS-1, Brain Iglike molecule with tyrosine-based activation motifs, Bit, CD172 antigen-like family member A, MYD1, PTPNS1, SHPS1, SIRP, Inhibitory receptor SHPS-1, Macrophage fusion receptor, MyD-1 antigen, Signal-regulatory protein alpha-1, Sirp-alpha-1, Signalregulatory protein alpha-2, Sirp-alpha-2, Signal-regulatory protein alpha-3, Sirp-alpha-3, p84, CD172a, BIT, MFR.

Description

Source: HEK293 Cells.

Physical Appearance: Sterile Filtered clear solution.

Biological Activity: Measured by its binding ability in a functional ELISA with Human CD47.

Signal-Regulatory Protein Alpha, SIRPA belongs to the signal-regulatory-protein (SIRP) family, as well as the immunoglobulin super family. The members of the SIRP family are receptor-type transmembrane glycoproteins which are involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. SIRPA can be phosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and perform as substrates of PTPs. SIRPA take part in signal transduction mediated by a variety of growth factor receptors. CD47 has been shown to be a ligand for SIRPA.

SIRPA Human Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain (27-373a.a) containing 356 amino acids and having a molecular mass of 39kDa. SIRPA is fused to a 6 amino acid His-tag at C-terminus, and is purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	DGSGVAGEEE LQVIQPKSV LVAAGETATL RCTATSLIPV GPIQWFRGAG PGRELIYNQK EGHFPRVTTV SDLTKRNNMD FSIRIGNITP ADAGTYCVK FRKGSPDDVE FKSGAGTELS VRAKPSAPVV SGPAARATPQ HTVSFTCESH GFSPRDITLK WFKNGNELSD FQTNVDPVGE SVSYSIHSTA KVLVTREVDH SQVICEVAHV TLQGDPLRGT ANLSETIRVP PTLEVTQQPV RAENQVNVTC QVRKFYPQRL QLTWLENGNV SRTETASTVT ENKDGTYNWM SWLLVNVSAH RDDVKLTCQV EHDGQPAVSK SHDLKVAHP KEQGSNTAAE NTGSNERNIY HHHHHH.