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32-13426: SIRPA Rat

Alternative Name :	Tyrosine-protein phosphatase non-receptor type substrate 1, SHP substrate, SHPS-1, Brain Ig-like molecule with tyrosine-based activation motifs, Bit, CD172 antigen-like family member A, Inhibitory receptor SHPS-1, Macrophage fusion receptor, Macrophage membrane protein MFP150, Signal-regulatory protein alpha-1, Sirp-alpha-1, CD172a, Sirpa, Bit, Mfr, Ptpns1, Shps1, Sirp.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered clear solution.
Signal-Regulatory Protein Alpha, SIRPA belongs to the signal-regulatory-protein (SIRP) family, as well as theimmunoglobulin super family. The members of the SIRP family are receptor-type transmembrane glycoproteins which areinvolved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. SIRPA can bephosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2domain containing tyrosine phosphatases (PTP), and perform as substrates of PTPs. SIRPA take part insignal transduction mediated by a variety of growth factor receptors. CD47 has been shown to be a ligand forSIRPA.
SIRPA Rat Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 350 amino acids (32-373a.a) and having a molecular mass of 38.5kDa. (Migrates at 57-70kDa on SDS-PAGE under reducing conditions). SIRPA is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	SIRPA protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
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 :	KELKVTQADK SVSVAAGDSA TLNCTVSSLT PVGPIKWFKG EGQNRSPIYS FIGGEHFPRI TNVSDATKRN NMDFSICISN VTPEDAGTYY CVKFQKGIVE PDTEIKSGGG TTLYVLAKPS SPEVSGPDSR GSPGQTVNFT CKSYGFSPRN ITLKWLKNGK ELSHLETTIS SKSNVSYNIS STVSVKLSPE DIHSRVICEV AHVTLEGRPL NGTANFSNII RVSPTLKITQ QPLTPASQVN LTCQVQKFYP KALQLNWLEN GNLSRTDKPE HFTDNRDGTY NYTSLFLVNS SAHREDVVFT CQVEHDSQPA ITENHTVRAF AHSSSGGSME TIPDNNAYYN WNVEHHHHHH.