9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SIRPA Rat

Signal-Regulatory Protein Alpha Rat Recombinant
RCP2101

Product Overview

Name	SIRPA Rat
Description	
Signal-Regulatory Protein Alpha Rat Recombinant	
Accession (Primary)	P97710
Synonyms	
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.	
Introduction	
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.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
SIRPA protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

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 WN VEHHHHHH.

Precautions

SIRPA Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P97710)