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Product datasheet for AR51631PU-N

CD172a / SIRPA (27-373, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD172a / SIRPA (27-373, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSGVAGEEE LQVIQPDKSV LVAAGETATL RCTATSLIPV GPIQWFRGAG PGRELIYNQK EGHFPRVTTV SDLTKRNNMD FSIRIGNITP ADAGTYYCVK FRKGSPDDVE FKSGAGTELS VRAKPSAPVV SGPAARATPQ HTVSFTCESH GFSPRDITLK WFKNGNELSD FQTNVDPVGE SVSYSIHSTA KVVLTREDVH SQVICEVAHV TLQGDPLRGT ANLSETIRVP PTLEVTQQPV RAENQVNVTC QVRKFYPQRL QLTWLENGNV SRTETASTVT ENKDGTYNWM SWLLVNVSAH RDDVKLTCQV EHDGQPAVSK SHDLKVSAHP KEQGSNTAAE NTGSNERNIY
Tag:	His-tag
Predicted MW:	40.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified Buffer System: Liquid. In PBS buffer (pH 7.4) containing 10% glycerol, 1 mM DTT
Protein Description:	Recombinant human SIRPA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001035111
Locus ID:	140885
UniProt ID:	P78324
Cytogenetics:	20p13
Synonyms:	BIT; CD172A; MFR; MYD-1; P84; PTPNS1; SHPS1; SIRP

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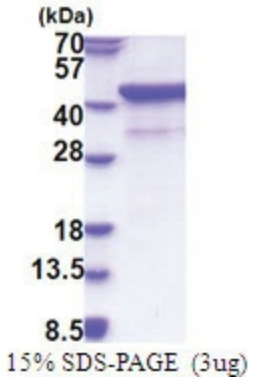
Summary: The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein 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 serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein. This gene and its product share very high similarity with several other members of the SIRP family. These related genes are located in close proximity to each other on chromosome 20p13. Multiple alternatively spliced transcript variants have been determined for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Phosphatase, Transmembrane

Product images:



15% SDS-PAGE (3ug)