

## Product datasheet for **TP316320**

### SIRP alpha (SIRPA) (NM\_001040023) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human signal-regulatory protein alpha (SIRPA), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC216320 Blue=ORF Red=Cloning site Green=Tag(s)

MEPAGPAPGRLGPLLCLLLAASCAWSGVAGEEELQVIQPDKSVLVAAGETATLRCTATSLIPVGPIQWF  
RGAGPGRELIYNQKEGHFPRVTTVSDLTKRNNMDFSIRIGNITPADAGTYCVKFRKGGSPDDVEFKSGA  
GTLSVRAKPSAPVVS GPAARATPQHTVSFTCESHGFSRPRDITLKWFKNGNELSDFQTNVDPVGESVSY  
SIHSTAKVVLTREDVHSQVICEVAHVTLQGDPLRGTANLSETIRVPPTLEVTQQPVRAENQVNVTCQVR  
KFYPQRLQLTWLENGNVSRTETASTVTENKDGTYNWMWLLVNVSAHRDDVKLTCQVEHDGQPAVSKSH  
DLKVS AHPKEQGSNTAAENTGSNERNIYVGVVCTLLVALLMAALYLVRIRQKKAQGSTSSTRLHEPE  
KNAREITQDNDITYADLNLPKGKPPAPQAAEPNNHTEYASIQTSPQPASEDTLTYADLDMVHLNRTPK  
QPAPKPEPSFSEYASVQVPRK  
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC216320 also available, [TP316320](#)

Tag:	C-Myc/DDK
Predicted MW:	52.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001035112](#)

**Locus ID:** 140885

**UniProt ID:** [P78324](#)

**RefSeq Size:** 4580

**Cytogenetics:** 20p13

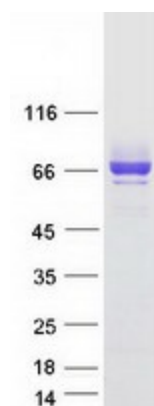
**RefSeq ORF:** 1509

**Synonyms:** BIT; CD172A; MFR; MYD-1; P84; PTPNS1; SHPS1; SIRP

**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:



Coomassie blue staining of purified SIRPA protein (Cat# TP316320). The protein was produced from HEK293T cells transfected with SIRPA cDNA clone (Cat# [RC216320]) using MegaTran 2.0 (Cat# [TT210002]).