

Active Recombinant Human SIRPA Protein, Fc-tagged, PE-Labeled

Cat. No. SIRPA-4672H Lot. No. (See product label)

SPECIFICATION

Product Overview	PE-Labeled Recombinant Human Protein(Glu 31 - Arg 370), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu 31 - Arg 370
Form	Lyophilized from 0.22 µm filtered solution in PBS, 0.5% BSA, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Flow Cytometry assay shows that PE-Labeled Human SIRP alpha, Fc Tag can bind to Jurkat cells overexpressing human CD47. 1 µL stock solution per million cells.FACS analysis shows that the binding of PE-Labeled Human SIRP alpha, Fc Tag to Jurkat cells overexpressing CD47 was inhibited by increasing concentration of neutralizing anti-human CD47 antibody. The IC50 is 0.37 µg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 65.7 kDa.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please protect from light and avoid repeated freeze-thaw cycles. This product is stable after at:

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-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

SIRPA signal-regulatory protein alpha [Homo sapiens]

Official Symbol

SIRPA

Synonyms

SIRPA; signal-regulatory protein alpha; protein tyrosine phosphatase, non receptor type substrate 1 , PTPNS1; tyrosine-protein phosphatase non-receptor type substrate 1; BIT; CD172a; MFR; MYD 1; P84; SHPS 1; SHPS1; SIRP; SIRP ALPHA 1; SIRPalpha; SIRPalpha2; myd-1 antigen; inhibitory receptor SHPS-1; macrophage fusion receptor; CD172 antigen-like family member A; tyrosine phosphatase SHP substrate 1; brain-immunoglobulin-like molecule with tyrosine-based activation motifs; MYD-1; CD172A; PTPNS1;

Gene ID

140885

mRNA Refseq

NM_001040022

Protein Refseq

NP_001035111

MIM


602461

UniProt ID

P78324

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