

Active Recombinant Human SIRPA Protein, Fc Chimera

Cat. No. SIRPA-806H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRPA (Accession # NP_542970), fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
Predicted N Terminal	Gly27 & Glu31
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of human red blood cells. Subramanian, S. et al. (2006) Blood 10 ⁷ :2548. Red blood cells, added at 10 x 10 ⁶ cells/mL (100 µ/well) to SIRP alpha coated plates, will adhere after 1 hour at 37° C. The ED50 for this effect is 0.6 - 2.4 µg/mL. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Human SIRPA, Fc Chimera has a calculated MW of 64 kDa (monomer). In SDS-PAGE migrates as 70-105 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution

Reconstitute at 25 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

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

**Chromosome
Location**

20p13

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