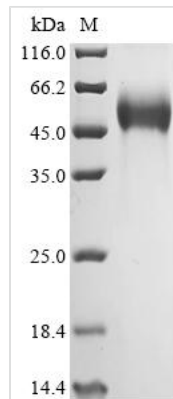




Recombinant Human Tyrosine-protein phosphatase non-receptor type substrate 1 (SIRPA), partial, Biotinylated

Product Code	CSB-MP021334HU-B
Abbreviation	Recombinant Human SIRPA protein, partial, Biotinylated
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P78324
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Human Tyrosine-protein phosphatase non-receptor type substrate 1(SIRPA),partial,Biotinylated
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	EEELQVIQPDKSVLVAAGETATLRCTATSLIPVGPIQWFRGAGPGRELIYNQKE GHFPRVTTVSDLTKRNNMDFSIRIGNITPADAGTYCYVKFRKGSPDDVEFKSG AGTELSVRAKPSAPVVSGPAARATPQHTVSFTCESHGFSPRDITLKWFKNGN ELSDFQTNVDPVGESVSYSIHSTAKVVLTREDVHSQVICEVAHVTLQGDPLRG TANLSETIRVPPTLEVTQQPVRAENQVNVTCQVRKFYPQRLQLTWLENGNVS RTETASTVTENKDGTYNWMSWLLVNVSAHRDDVKLTCQVEHDGQPAVSKSH DLKVS AHPKEQGSNTAAENTGSNER
Research Area	Cardiovascular
Source	Mammalian cell
Target Names	SIRPA
Expression Region	31-370aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-Avi-tagged
Mol. Weight	41.3 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

To generate the biotinylated recombinant human tyrosine-protein phosphatase non-receptor type substrate 1 (SIRPA) in mammalian cells, first, construct an expression vector containing the target gene fused with a 6xHis-Avi-tag sequence at the C-terminus. The target gene encodes the amino acids 31-370 of the human SIRPA protein. And then, transfect the recombinant vector into mammalian cells using appropriate methods. Culture the transfected cells and induce expression of the recombinant SIRPA protein. Introduce a biotin ligase enzyme or co-express it with the recombinant protein to attach biotin molecules to the 6xHis-Avi-tag sequence. Harvest the cells or collect the culture supernatant and purify the biotinylated recombinant SIRPA protein. The purity of the biotinylated recombinant human SIRPA protein is over 90%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.