



Recombinant Mouse Tyrosine-protein phosphatase non-receptor type 6 (Ptpn6)

Product Code	CSB-MP019043MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P29351
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MVRWFHRDLS GPDAETLLKG RGVPGSFLAR PSRKNQGDFS LSVRVDDQVT HIRIQNSGDF YDLYGGEKFA TLTELVEYYT QQQGILQDRD GTIIHLKYPL NCSDPTSERW YHGHISGGQA ESSLQAKGEP WTFLVRESLS QPGDFVLSVL NDQPKAGPGS PLRVTHIKVM CEGGRYTVGG SETFDSLTDL VEHFKKTGIE EASGAFVYLR QPYYATRVNA ADIENRVLEL NKKQESDTA KAGFWEFES LQKQEVKNLH QRLEGQRPEN KSKNRYKNIL PFDHSRVILQ GRDSNIPGSD YINANYVKNQ LLGPDENSKT YIASQGCLDA TVNDFWQMAW QENTRIVIMT TREVEKGRNK CVPYWPEVGT QRVYGLYSVT NSREHDTAEY KLRTLQISPL DNGDLVREIW HYQYLSWPDH GVPSEPGGVL SFLDQINQRQ ESLPHAGPII VHCSAGIGRT GTIIVIDMLM ESISTKGLDC DIDIQKTIQM VRAQRSGMVQ TEAQYKFIYV AIAQFIETTK KKLEIIQSQK GQSEYGNIT YPPAVRSAHA KASRTSSKHK EEVYENVHVK SKKEEKVKKQ RSADKEKNKG SLKRK
Source	Mammalian cell
Target Names	Ptpn6
Protein Names	Recommended name: Tyrosine-protein phosphatase non-receptor type 6 EC= 3.1.3.48 Alternative name(s): 70Z-SHP Hematopoietic cell protein-tyrosine phosphatase PTPTY-42 Protein-tyrosine phosphatase 1C Short name= PTP-1C
Expression Region	1-595
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of



this gene, which encode distinct isoforms, have been reported.

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.