



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

Product Code	CSB-YP019043RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P81718
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	<p>MLSRGWFHRD LSGPDAETLL KGRGVPGSFL ARPSRKNQGD FSLSVRVDDQ VTHIRIQNSG DFYDLYGGEK FATSTELVEY YTQQQGILQD RDGTIIHLKY PLNCSDPTSE RWYHGHMSGG QAESLLQAKG EPWTFVLVRES LSQPGDFVLS VLNDQPKAAP GSPLRVTHIK VMCEGGRYTV GGSETFDSL DLVEHFKKTG IEEASGAFVY LRQPYYATRV NAADIENRVL ELNKKQESD TAKAGFWEF ESLQKQEAKN LHRLEGQRP ENKSKNRYKN ILPFDHSRVI LQGRDSNIPG SDYINANYVK NQLLGPDEN KTYIASQGCL DATVNDFWQM AWQENTRVIV MTTREVEKGR NKCVPYWPEV GTQRVYGLYS VTNCKEHD EYKLRTLQIS PLDNGDLVRE IWHYQYLSWP DHGVPSEPPG VLSFLDQINQ RQESLPHAGP IIVHCSAGIG RTGTIIVDM LMESVSTKGL DCDIDIQKTI QMVRAQRSGM VQTEAQYKFI YVAIAQFIET TKKKLEIIQS QRGQESEYGN ITYPPALRSA HAKASRTSSK HKEEVYENVH SKNKKEEKVK KQRSADKEKN KGS LKRNISL TPCRGLRWAD RDL</p>
Source	Yeast
Target Names	Ptpn6
Protein Names	Recommended name: Tyrosine-protein phosphatase non-receptor type 6 EC=3.1.3.48 Alternative name(s): Protein-tyrosine phosphatase SHP-1
Expression Region	1-613
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	<p>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</p>



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.