



# Recombinant Human Tyrosine-protein phosphatase non-receptor type 20 (PTPN20A)

<b>Product Code</b>	CSB-EP678609HU
<b>Abbreviation</b>	PTPN20A
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q4JDL3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSSPRDFRAE PVNDYEGNDS EAEDLNFRET LPSSSQENTP RSKVFENKVN SEKVKLSLRN FPHNDYEDVF EEPSESGSDP SMWTARGPFR RDRWSSEDEE AAGPSQALSP LLSLTRKIVS EGELDQLAQI RPLIFNFHEQ TAIKDCLKIL EEKTAAYDIM QEFMALELKN LPGEFNNGNQ PSNREKNRYR DILPYDSTRV PLGKSKDYIN ASYIRIVNCG EEFYIATQG PLLSTIDDFW QMVLENNSNV IAMITREIEG GIIKCYHYWP ISLKKPLELK HFRVFLENYQ ILQYFIIRMF QVVEKSTGTS HSVKQLQFTK WPDHGT PASA DSFIKYIRYA RKSHLTGPMV VHCSAGIGRT GVFLCVDVVF CAIVKNCSFN IMDIVAQMRE QRSGMVQTKE QYHFCYDIVL EVLRKLLTLD
<b>Source</b>	E.coli
<b>Target Names</b>	PTPN20
<b>Protein Names</b>	Recommended name: Tyrosine-protein phosphatase non-receptor type 20 Short name= hPTPN20 EC= 3.1.3.48
<b>Expression Region</b>	1-420
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	The product of this gene belongs to the family of classical tyrosine-specific protein tyrosine phosphatases. Many protein tyrosine phosphatases have been shown to regulate fundamental cellular processes and several are mutated in human diseases. Chromosome 10q contains a segmental duplication resulting in multiple copies of the protein tyrosine phosphatase, non-receptor type 20 gene. The two nearly identical copies are designated as PTPN20A and PTPN20B. A third copy is only partially duplicated and contains a pseudogene, designated as PTPN20C. This gene encodes the more centromeric copy, PTPN20A. Multiple alternatively spliced transcript variants encoding different



isoforms have been identified.

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**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.

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