

Active Recombinant Human PTPN2 protein

Cat. No. PTPN2-2196H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PTPN2 protein(P17706-1) (Met 1-Asn 314) was expressed and purified in Insect Cells, with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-314 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0.
Bio-activity	Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor 988-998 phosphopeptide substrate. The specific activity is > 30 μ moles/min/mg.
Molecular Mass	The secreted recombinant human PTPN2 consists of 316 amino acids and predicts a molecular mass of 36.8 KDa. The apparent molecular mass of the protein is approximately 37 KDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [PTPN2 protein tyrosine phosphatase, non-receptor type 2 \[Homo sapiens \]](#)

Official Symbol [PTPN2](#)

Synonyms

PTPN2; protein tyrosine phosphatase, non-receptor type 2; PTPT; tyrosine-protein phosphatase non-receptor type 2; TC PTP; TCELLPTP; TCPTP; T-cell protein tyrosine phosphatase; PTN2; TC-PTP;

Gene ID [5771](#)

mRNA Refseq [NM_001207013](#)

Protein Refseq [NP_001193942](#)

MIM [176887](#)

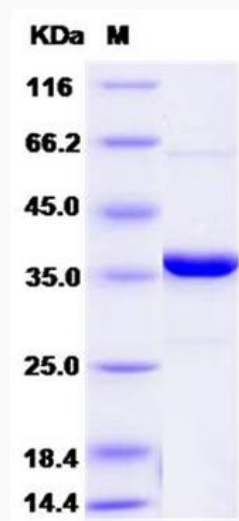
UniProt ID [P17706](#)

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SDS-PAGE



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