

Active Recombinant Human PTPN2 protein, His&GST-tagged

Cat. No. PTPN2-940H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PTPN2 protein(Met 1-Asn 314)(P17706-1) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-314 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor 988-998 phosphopeptide substrate. The specific activity is > 30 nmoles/min/μg.
Molecular Mass	The recombinant human PTPN2 (aa 1-314)/GST chimera consists of 551 amino acids and predicts a molecular mass of 64.4 kDa. It migrates as an approximately 60 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg 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

 Tel: 1-631-559-9269 1-516-512-3133

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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](#)

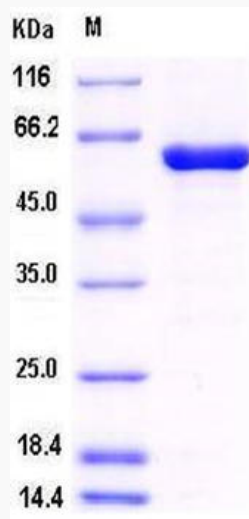
UniProt ID [P17706](#)

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SDS-PAGE



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