

Recombinant Human PTPN2, Gly & Pro tagged

Cat. No. PTPN2-470H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPN2 (P17706-1) (Met1-Asn314), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-314 a.a.
Predicted N Terminal	Gly
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
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 µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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be aliquoted 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. 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

Gene ID 5771

mRNA Refseq NM_001207013

Protein Refseq NP_001193942

MIM 176887

UniProt ID P17706

Chromosome Location 18p11.3-p11.2

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