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 μmoles/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 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

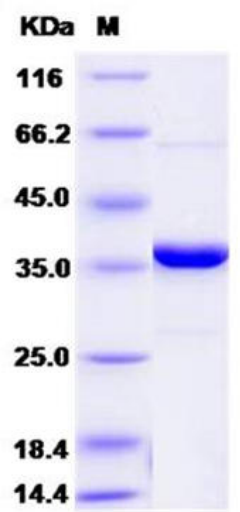
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA