

PTPN1

Recombinant Human PTPN1/PTP1B GST Active

Catalog No.	CRT196A	Quantity:	5 µg
	CRT196B		10 µg

Alternate Names: Protein tyrosine phosphatase, non-receptor type 1, PTPN1, PTP1B

Description: Recombinant full length Human PTPN1 was expressed by baculovirus in insect cells using an N-terminal GST tag.

Protein tyrosine phosphatase nonreceptor, type 1 (PTPN1) is the founding member of the protein tyrosine phosphatase (PTP) family. PTPN1 catalyze the hydrolysis of the phosphate monoesters specifically from tyrosine residues. PTPN1 is known to be involved in signaling pathways that regulate a variety of cellular processes including cell growth and oncogenic transformation. PTPN1 also has been shown to act as a negative regulator of insulin signaling. PTPN1 has also been reported to dephosphorylate epidermal growth factor receptor kinase, which implicated the role of this phosphatase in cell growth control and cell response to interferon stimulation.

Concentration: 0.1 µg/µl

Gene ID: 5770

Source: Sf9 insect cells

Molecular Weight: 71 kDa

Formulation: Liquid in 20 mM MOPS, pH 7.5, + 50 mM NaCl + 0.25 mM DTT + 0.1 mM PMSF + 30% Glycerol.

Purity: >85%

Specific Activity: 2500 nmol / min / mg

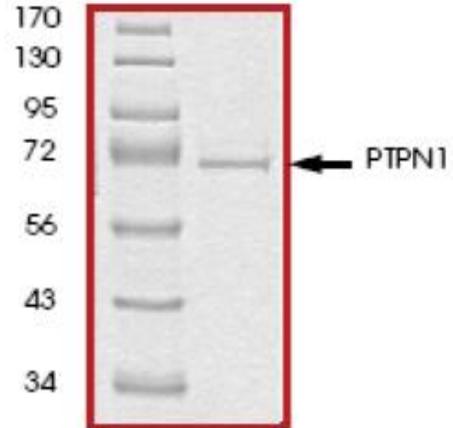
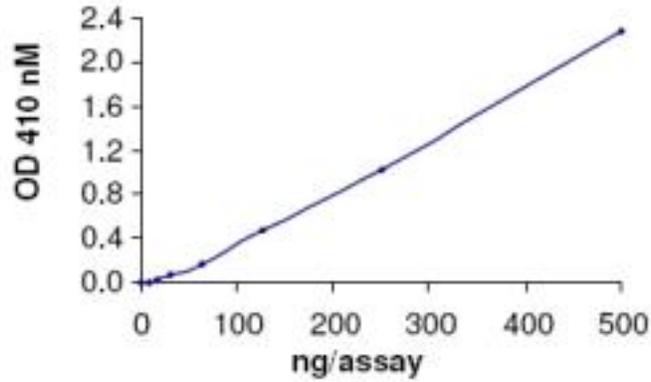
Applications: Phosphatase Assay, Western blot

Storage & Stability: Store product at -80°C. Stable for 1 year from date of shipment. For optimal storage, aliquot product into smaller quantities after centrifugation and store at -80°C. **Avoid repeated freeze-thaw cycles.**



The specific activity of PTPN1 was determined to be 2500 nmol phosphate released / min / mg as per activity assay protocol

Purity was determined to be >85% by densitometry.



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