

PTPN2 (TC-PTP) Recombinant Protein | PTPN2 recombinant protein

PTPN2 (TC-PTP), Active

CATALOG # AAA73810	HOST E Coli	APPLICATIONS Western Blot
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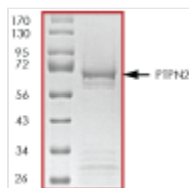
PRODUCT SYNONYMS

PTPN2 (TC-PTP); Active; TC-PTP; PTPT; TCELLPTP; TCPTP; PTPN2 recombinant protein

PRODUCT SPECIFICATIONS

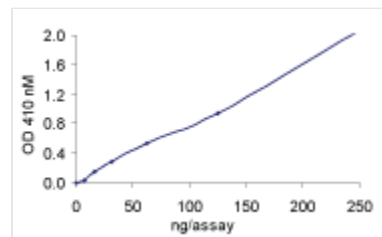
Host	E Coli
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 50mM NaCl, 0.25mM DTT, 0.1mM PMSF, 30% glycerol.
Applicable Applications for PTPN2 recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PTPN2 recombinant protein	Recombinant full length human PTPN2 was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_080422. Protein tyrosine phosphatase, non-receptor type 2 (PTPN2), is one of the most abundant mammalian tyrosine phosphatase. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family (1). By virtue of protein tyrosine phosphatase activity, PTPN2 is known to be a signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation involved in cell communication and signal transduction (2).
Product Categories/Family for PTPN2 recombinant protein	Phosphatases; Cancer; Inflammation; Invasion/Metastasis; JAK/STAT Pathway; Metabolic Disorder; Neurobiology; Phosphatases; WNT Signaling

References

1. Gupta, S. et al: A nuclear protein tyrosine phosphatase activates p53 and induces caspase-1-dependent apoptosis. FEBS Lett. 2002; 532(1-2):61-6.
2. Yamamoto, T. et al: The nuclear isoform of protein-tyrosine phosphatase TC-PTP regulates interleukin-6-mediated signaling pathway through STAT3 dephosphorylation. Biochem. Biophys. Res. Commun.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_080422](#)

Molecular Weight

~69kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ptpn2-tc-ptp-recombinant-protein-e-coli-wb-western-blot-phosphatase-assay/73810>