

PTPN7 (LC-PTP) Recombinant Protein | PTPN7 recombinant protein

PTPN7 (LC-PTP), Active

CATALOG # AAA73822	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PTPN7 (LC-PTP); Active; LC-PTP; LPTP; HEPTP; PTPNI; BPTP-4; PTPN7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 50mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 30% glycerol.
Applicable Applications for PTPN7 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 PTPN7 recombinant protein	Recombinant full length human PTPN7 was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_002832. PTPN7 gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells (1). The noncatalytic N-terminus of this PTP can interact with MAP kinases and negatively regulates ERK2 and p38 MAP-kinases activity (2). The PTPN7 was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway (3).
Product Categories/Family for PTPN7 recombinant protein	Phosphatases ; Cancer ; Inflammation ; Invasion/Metastasis ; JAK/STAT Pathway ; Metabolic Disorder ; Neurobiology ; Phosphatases ; WNT Signaling
References	1. Adachi, M. et al: Protein-tyrosine phosphatase expression in pre-B cell NALM-6. Cancer Res. 52: 737-740, 1992. 2. Pettiford, S M. et al: The MAP-kinase ERK2 is a specific substrate of the protein tyrosine phosphatase HePTP. Oncogene. 2000 Feb 17;19(7):858-69. 3. Oh-hora, M. et al: Direct suppression of TCR-mediated activation of extracellular signal-regulated kinase by leukocyte protein tyrosine phosphatase, a tyrosine-specific phosphatase. J Immunol. 1999 Aug 1;163(3):1282-8.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002832
Molecular Weight	~67kDa

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://stage.aaabiotech.com/ptpn7-lc-ptp-recombinant-protein-e-coli-wb-western-blot-phosphatase-assay/73822>