

PTPN12 (PTP-PEST) Recombinant Protein | PTPN12 recombinant protein

PTPN12 (PTP-PEST), Active

CATALOG # AAA73830	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PTPN12 (PTP-PEST); Active; PTP-PEST; PTPG1; tcag7.1075; PTPN12 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 PTPN12 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 PTPN12 recombinant protein	Recombinant human PTPN12 (1-355) was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_002835. Protein tyrosine phosphatase-PEST (PTPN12), a ubiquitously expressed cytoplasmic tyrosine phosphatase, is thought to play an important role in cell adhesion and motility, cell migration, and signal transduction for antigen receptors in B and T lymphocytes (1). Signal transduction via tyrosine phosphorylation, normally fine-tuned by the concerted action of both protein tyrosine kinases and protein tyrosine phosphatases (PTPs), is a key mechanism in tumorigenesis. Studies suggest potential role for PTP-PEST in regulation of p130(cas) in mitogen- and cell adhesion-induced signaling events (2).
Product Categories/Family for PTPN12 recombinant protein	Phosphatases; Cancer; Cardiovascular Disease; Cellular Stress; Inflammation; Invasion/Metastasis; JAK/STAT Pathway; Metabolic Disorder; Phosphatases; WNT Signaling
References	1. Angers-Loustau, A. et al: Protein tyrosine phosphatase-PEST regulates focal adhesion disassembly, migration, and cytokinesis in fibroblasts. J. Cell Biol. 1999; 144: 1019-31. 2. Garton, A.J. et al: Identification of p130(cas) as a substrate for the cytosolic protein tyrosine phosphatase PTP-PEST. Mol. Cell Biol. 1996; 16(11):6408-18.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002835
Molecular Weight	~66kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ptpn12-ptp-pest-recombinant-protein-e-coli-wb-western-blot-phosphatase-assay/73830>