

Protein Tyrosine Phosphatase 1B Active Protein | PTPN1 active protein

Protein Tyrosine Phosphatase 1B, Recombinant, Human (PTP1B)

CATALOG #
AAA14754

HOST
E Coli

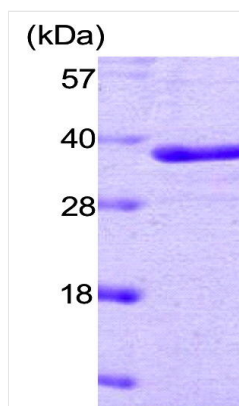
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase 1B; Recombinant; Human (PTP1B); PTPN1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Highly Purified >95% by SDS PAGE; Purified by using conventional chromatography techniques.
Form/Format	Supplied as a liquid in 25mM Tris-HCl, pH 7.5, 2mM beta-mercaptoethanol, 1mM EDTA, 1mM DTT, 20% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence	MEMEKEFEQI /DKSGSWAAI Y/QDIRHEAS DF/PCRVAKL PKN/KNRNR Y RDVS/PFDHS RIKLH/QEDN DYINAS/LIK MEEAQRS/YI LTQGPLPN/T CGHFWEMVW/ EQKSRGVV ML /NRVMEKGSL K/CAQYWPQK EE/KEMIFED TNL/KLT LIS EDIK/SYYTV RQLEL/ENLT TQETRE/ILH FHYTTWP/DF GVPESPAS/F LNFLFKVRE/ SGSLSPEHGP /VVVHCSAGI G/RSGTFCLA DT/CLLLMDK RKD/PSSVDI KKV L/LEM RK FRMGL/IQTA DQLRFS/YLA VIEGAKF/IM GDSSVQDQ/W KELSHEDLE/ PPPEHI PPPP /RPPKRILEP H/N
Specific Activity	>10,000units/mg
Unit Definition	One unit will hydrolyze 1nanomole of p-nitrophenylphosphatate (p-NPP) per minute at pH 7.4, 37 degree C using 10mM of substrate.
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage, store at -20 degree C . Aliquots are stable for 6 months at -20 degree C . For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

IMAGES



SDS-PAGE

SDS-PAGE analysis of PTP1B (3ug protein; 12% gel) using P9109-14.

ADDITIONAL INFORMATION

Related Product Information for PTPN1 active protein	The protein coding region of the catalytic domain of PTP-1B (amino acids 1-321) was cloned into an E. coli expression vector.
Product Categories/Family for PTPN1 active protein	Molecular Biology; MB-Enzymes; Phosphatase

NCBI AND UNIPROT INFORMATION

NCBI GI #	13919645
NCBI GeneID	5770
UniProt Accession #	P18031; Q5TGD8; Q9BQV9; Q9NQQ4
Molecular Weight	37,312
NCBI Official Full Name	protein tyrosine phosphatase 1B
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 1
NCBI Official Symbol	PTPN1
NCBI Official Synonym Symbols	PTP1B
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 1; protein-tyrosine phosphatase 1B; protein tyrosine phosphatase, placental
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 1
UniProt Gene Name	PTPN1
UniProt Synonym Gene Names	PTP1B; PTP-1B
UniProt Entry Name	PTN1_HUMAN

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/e-coli-active-protein/protein-tyrosine-phosphatase-1b/14754>