

PTPN1

Human Recombinant Protein Tyrosine Phosphatase 1B (aa 1-321)

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|--------------------|-----------|------------------|--------|
| Catalog No. | CSI15622A | Quantity: | 100 µg |
| | CSI15622B | | 500 µg |

Alternate Names: PTP1B

Description: The protein coding region of the catalytic domain of PTP-1B (amino acids 1-321) was cloned into an *E. coli* expression vector. The catalytic domain of PTP-1B was overexpressed in *E. coli* as a soluble protein, and it was purified by conventional column chromatographic techniques.

Concentration: 1 mg/ml (determined by Bradford assay)

GenelD: 5770

Protein Accession No: NP_002818

Source: *E. coli*

Molecular Weight: 37.3 kDa (321 aa)

Formulation: Liquid. In 25 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 2 mM beta-mercaptoethanol, 1 mM EDTA, 20% Glycerol

Purity: > 95% by SDS - PAGE

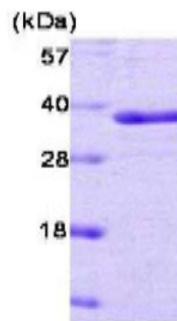
Biological Activity: Specific activity: 6,000-12,000 units/mg. Enzymatic activity was confirmed by measuring the amount of enzyme hydrolyzing 1 nmole of p-nitrophenyl phosphate (pNPP) per minute at 37°C, pH7.5 using 10mM of substrate.

Amino Acid Sequence: MEMEKEFEQI DKSGSWAAIY QDIRHEASDF PCRVAKLPKN KNRNRYRDVS
PFDHSRIKLH QEDNDYINAS LIKMEEAQRS YILTQGPLPN TCGHFWEMVW
EQKSRGVVML NRVMKGSLLK CAQYWPQKEE KEMIFEDTNL KLTLSIEDIK
SYTYVRQLEL ENLTTQETRE ILHFHYTTWP DFGVPESPAS FLNFLFKVRE
SGSLSPHGP VVVHCSAGIG RSGTFCLADT CLLLMDKRKD PSSVDIKKVL
LEMRKFRMGL IQTADQLRFS YLAVIEGAKF IMGDSSVQDQ WKELSHEDLE
PPPEHIPPPP RPPKRILEPH N



Storage & Stability:

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. **Avoid repeated freezing and thawing cycles.**



12% SDS-PAGE (3µg)

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Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com