

Human recombinant protein PTP1B
Human Recombinant PTP1B
Catalog # PBV10540r**Specification**

Human recombinant protein PTP1B - Product info

Primary Accession	P18031
Concentration	1
Calculated MW	37.3 kDa (321 amino acids) KDa

Human recombinant protein PTP1B - Additional Info

Gene ID	5770
Gene Symbol	PTPN1

Other Names

Protein tyrosine phosphatase, non-receptor type 1, PTPN1, Protein-tyrosine phosphatase 1B, Human Recombinant PTP1B,

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MEMEKEFEQI DKSGSWAAIY QDIRHEASDF PCRVAKLPKN KNRNRYRDVS PFDHSRIKLH QEDNDYINAS LIKMEEAQRS YILTQGPLPN TCGHFWEMVW EQKSRGVVML RVMEKGSLLK CAQYWPQKEE KEMIFEDTNL KTLISEDILK SYTTRVQLLE ENLTQTETRE ILHFHYTTWP DFGVPEPAS FLNLFKVVRE SGSLSPHGP VVVHCSAGIG RSGTFCLADT CLLMDKRRD PSSVDIKKVL LEMRKFRMGL IQTADQLRFS YLAVIEGAKF IMGDSSVQDQ WKELSHEDLE PPPEHPPPP RPPKRILEPH N

Format

Liquid

Storage

-80°C; 1 mg/ml solution in 25 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 2 mM β mercaptoethanol, 1 mM EDTA, 20% Glycerol.

Human recombinant protein PTP1B - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein PTP1B - Images

Human recombinant protein PTP1B - Background

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.

Human recombinant protein PTP1B - References

Chernoff J., et al. Proc. Natl. Acad. Sci. U.S.A. 87:2735-2739(1990).
Brown-Shimer S., et al. Proc. Natl. Acad. Sci. U.S.A. 87:5148-5152(1990).
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Deloukas P., et al. Nature 414:865-871(2001).
Charbonneau H., et al. Proc. Natl. Acad. Sci. U.S.A. 86:5252-5256(1989).