
PTP-1B(Protein Tyrosine Phosphatase1B), Human, Recombinant, E.coli

Cat.NO.: TP03594

3th Edition

Synonyms:Protein tyrosine phosphatase, non-receptor type 1, PTPN1

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.

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

Molecular Weight:37.3 kDa (321 aa)

Sequences:

MEMEKEFEQIDKSGSWAAIYQDIRHEASDFPCRVAKLPKNKNRNRYRDVSPFDHSRIKLHQEDNDYINASLIKMEEA
QRSYILTQGPLPNTCGHFWEMVWEQKSRGVVMLNRMKGLKCAQYWPQKEEKEMIFEDTNLKLTLISEDIKSY
YTVRQLELENLTTQETREILHFHYTTWPDFGVPEPASFLNFLFKVRESGSLSPHGPVVHCSAGIGRSGTFCLAD
TCLLLMDKRKDPSSVDIKKVLLEMRKFRMGLIQTADQLRFSYLAVIEGAKFIMGDSSVQDQWKELSHEDLEPPPEHI
PPPPRPPKRILEPHN

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.