

PTPN7, 1-360aa, Human, His tag, E.coli

Cat.NO.: TP03599

3th Edition

Synonyms: Tyrosine-protein phosphatase non-receptor type 7, BPTP-4, HEPTP, LC-PTP, LPTP, PTPNI.

Description: PTPN7, also known as tyrosine-protein phosphatase non-receptor type 7 isoform 1, acts preferentially on tyrosine-phosphorylated MAPK1. This protein plays a role in the regulation of T and B-lymphocyte development and signal transduction. Recombinant human PTPN7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight: 43.1 kDa (384aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMVQAHGGRSRAQPLTSLGAAMTQPPPEKTPAKKHVRLQERRGNSVALM
LDVRS LGAVEPICSVNTPREVTLHFLRTAGHPLTRWALQRQPPSPKQLEEEFLKIPSNFVSPEDLDIPGHASKDRYK
TILPNPQSRVCLGRAQSQEDGDYINANYIRGYDGKEKVYIATQGMPNTVSDFWEMVWQEEVSLIVMLTQLREGKE
KCVHYWPTEETTYGPFQIRIQDMKECPEYTVRQLTIQYQEERRSVKHILFSAWPDHQTPEAGPLLRVAEVEESP
ETAHPGPIVVHCSAGIGRTGCFIATRIGCQQLKARGEVDILGIVCQLRLDRGGMIQTAEQYQFLHHTLALYAGQLPE
EPSP

Purity: > 95% by HPLC

Concentration: 0.5 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.