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Recombinant human PTPN7 protein

Catalog Number: ATGP1453

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-360aa

UniProt No.

P35236

NCBI Accession No.

NP 002823.2

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

43.1 kDa (384aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.



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Amino acid Sequence

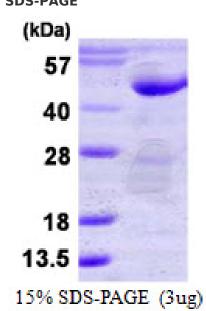
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General References

Pettiford S.M., et al. (2000) Oncogene. 19:858-869 Nika K., et al. (2004) Biochem. J. 378:335-342

DATA





3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

