

Recombinant human PTPN4 protein

Catalog Number: ATGP3005

PRODUCT INFORMATION

Expression system

E.coli

Domain

655-913aa

UniProt No.

P29074

NCBI Accession No.

NP_002821

Alternative Names

Protein tyrosine phosphatase non-receptor type 4, Protein tyrosine phosphatase, non-receptor type 4, PTPMEG, PTPMEG1, MEG

PRODUCT SPECIFICATION

Molecular Weight

32 kDa (280aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

PTPN4 also known as Protein tyrosine phosphatase, non-receptor type 4, is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN4 is a widely expressed non-receptor protein tyrosine phosphatase. It has been shown to interact with glutamate receptor delta 2 and epsilon, and may affect glutamate receptors signaling and/or in regulation of their activities through tyrosine

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dephosphorylation. Recombinant human PTPN4, fused to His-tag at N-terminus, was expressed in E. coli

Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MVL TQFDQLY RKKPGMTMSC AKLPQNISK NRYRDISPYDA TRVILKGNED YINANYINME
IPSSSIINQY IACQGPLPHT CTDFWQMTWE QGSSMVVMLT TQVERGRVKC HQYWPEPTGS SSYGCVQVTC HSEEGNTAYI
FRKMTLFNQE KNESRPLTQI QYIAWPDHGV PDDSSDFLDF VCHVRNKRAG KEEPVVVHCS AGIGRTGVLI TMETAMCLIE
CNQPVYPLDI VRTMRDQRAM MIQTPSQYRF VCEAILKVYE

General References

Babault N., et al. (2011) Structure. 19(10):1518-24
Zhou J., et al. (2013) Cell Mol Biol Lett. 18(2): 297-314.

DATA

SDS-PAGE

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



15% SDS-PAGE (3ug)