

AR51825PU-S

Human PTPN4 (655-913, His-tag) - Purified

Alternate names:

MEG1, PTP-MEG1, PTPMEG1, Tyrosine-protein phosphatase non-receptor 4

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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

Uniprot ID:

[P29074](#)

NCBI:

[NP_002821](#)

GeneID:

[5775](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris buffer (pH 8.0) containing 10% glycerol.

Description:
AA Sequence:

MGSSHHHHH SGLVPRGSH MVLTFDQLY RKKPGMTMSC AKLPQNISK RYRDISPYDA
TRVILKGNED YINANYINME IPSSSIINQY IACQGPLPHT CTDFWQMTWE QGSSMVVMLT
TQVERGRVKC HQYWPEPTGS SSYGCYQVTC HSEEGNTAYI FRKMTLFNQE KNESRPLTQI
QYIAWPDHGV PDDSSDFLDF VCHVRNKRAG KEEPVVVHCS AGIGRTGVLI TMETAMCLIE
CNQPVYPLDI VRTMRDQRAM MIQTPSQYRF VCEAILKVYE

Molecular weight: 32 kDa (280aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

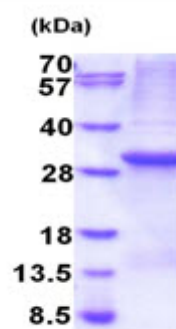
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:



15% SDS-PAGE (3ug)