

PTPN4, 655-913aa, Human, His tag, E.coli

Cat.NO.: TP03598

3th Edition

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

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

Form:Liquid. In 20mM Tris buffer (pH 8.0) containing 10% glycerol

Molecular Weight:32kDa (280aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMVLQFDQLYRKKPGMTMSCAKLPQNISKNRYRDISPYDATRVILKGNEDYINAN
YINMEIPSSSIINQYIACQGPLPHTCTDFWQMTWEQGSSMVVMLTTQVERGRVKCHQYWPEPTGSSSYGCYQVTC
HSEEGNTAYIFRKMTLNFQEKNESRPLTQIQYIAWPDHGVDPDDSSDFLDFVCHVRNKRAGKEEPVVVHCSAGIGRT
GVLITMETAMCLIECNQPVYPLDIVRTMRDQRAMMIQTPSQYRFVCEAILKVYE

Purity:> 95% by HPLC

Concentration:1mg/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.