
Product Data Sheet

Product Name: PTPN4 Human
 Cat. No.: GP22618
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein Tyrosine Phosphatase; Non-Receptor Type 4(Megakaryocyte); Protein-Tyrosine Phosphatase MEG1; PTPase-MEG1; EC 3.1.3.48;MEG; Tyrosine-Protein Phosphatase Non-Receptor Type 4; MegakaryocyteProtein-Tyrosine Phosphatase; Protein Tyrosine Phosphatase MEG1; MegakaryocytePhosphatase; PTPMEG1; PTPMEG; Tyrosine-protein phosphatase non-receptor type 4;Protein-tyrosine phosphatase MEG1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MVLTQFDQLY RKKPGMTMSC AKLPQNISKN RYRDISPYDA TRVILKGNED YINANYINMEIPSSSIINQY IACQGPLPHT CTDFWQMTWE QGSSMVVMLT TQVERGRVKC HQYWPEPTGS SSYGCYQVTCHSEEGNTAYI FRKMTLFNQE KNESRPLTQI QYIAWPDHGV PDDSSDFLDF VCHVRNKRAG KEEPVVVHCSAGIGRTGVLI TMETAMCLIE CNQPVYPLDI VRTMRDQRAM MIQTPSQYRF VCEAILKVYE.		
Formulation	PTPN4 protein solution (1mg/ml) containing 20mM Trisbuffer (pH 8.0) and 10% glycerol.		

Introduction

Protein Tyrosine Phosphatase Non Receptor Type-4, also known as PTPN4 belongs to the protein tyrosine phosphatase, PTP family. PTPs are identified signaling molecules which regulate a variety of cellular processes as well as cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN4 is broadly expressed non-receptor protein tyrosine phosphatase. In addition, PTPN4 interacts with glutamate receptor delta 2 & epsilon, and affects glutamate receptors signaling and/or in regulation of their activities through tyrosine dephosphorylation.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PTPN4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 280 amino acids (655-913 a.a) and having a molecular mass of 32kDa. PTPN4 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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