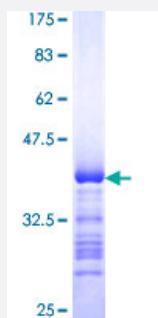


PTPN4 (Human) Recombinant Protein (Q01)

Catalog # H00005775-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PTPN4 partial ORF (NP_002821, 361 a.a. - 460 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KPLARKLMDWEVVSRRNSISDDRLETQSLPSRSPPGTPNHRNSTFTQEGTRLRPSSVGHLVDHMHV HTSPSEVFNQRSPSSQANSIVLESSPSQETPGDG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (91); Rat (93)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PTPN4

Entrez GeneID [5775](#)

GeneBank Accession# [NM_002830](#)

Protein Accession# [NP_002821](#)

Gene Name PTPN4

Gene Alias PTPMEG, PTPMEG1

Gene Description protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)

Omim ID [176878](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene 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. This protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation. [provided by RefSeq]

Other Designations PTPase-MEG1|megakaryocyte phosphatase|megakaryocyte protein-tyrosine phosphatase|protein tyrosine phosphatase MEG1|protein tyrosine phosphatase, non-receptor type 4