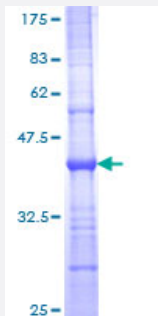


PTPN13 (Human) Recombinant Protein (Q01)

Catalog # H00005783-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PTPN13 partial ORF (NP_006255, 66 a.a. - 175 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FTDENISNQDLRAFTAPEVLQNQSLTSLSDVEKIHYSLGMTLYWGADYEVPQSQPIKLGDLNSILL GMCEDVIYARVSVRTVLDACSAHIRNSNCAPSFYSYVKHLVKL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (95); Rat (92)
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 — PTPN13

Entrez GeneID	5783
GeneBank Accession#	NM_006264
Protein Accession#	NP_006255
Gene Name	PTPN13
Gene Alias	DKFZp686J1497, FAP-1, PNP1, PTP-BAS, PTP-BL, PTP1E, PTPL1, PTPLE
Gene Description	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
Omim ID	600267
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP is a large intracellular protein. It has a catalytic PTP domain at its C-terminus and two major structural domains: a region with five PDZ domains and a FERM domain that binds to plasma membrane and cytoskeletal elements. This PTP was found to interact with, and dephosphorylate, Fas receptor and IκBα through the PDZ domains. This suggests it has a role in Fas mediated programmed cell death. This PTP was also shown to interact with GTPase-activating protein, and thus may function as a regulator of Rho signaling pathways. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported. [provided by RefSeq]
Other Designations	APO-1/CD95 (Fas)-associated phosphatase Fas-associated phosphatase-1 protein tyrosine phosphatase 1E protein tyrosine phosphatase, non-receptor type 13 protein tyrosine phosphatase, nonreceptor type 13 protein-tyrosine phosphatase 1, Fas-associated protei

Disease

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