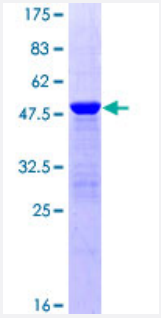
Full-Length

PTP4A2 (Human) Recombinant Protein (P01)

Catalog # H00008073-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PTP4A2 full-length ORF (NP_536316.1, 1 a.a. - 167 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNRPAPVEISYENMRFLITHNPTNATLNKFTEELKKYGVTTLVRVCDATYDKAPVEKEGIHVLDWP FDDGAPPPNQIVDDWLNLLKTKFREEPGCCVAVHCVAGLGRAPVLVALALIECGMKYEDAVQFIR QKRRGAFNSKQLLYLEKYRPKMRLRFRDTNGHCCVQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	45.5
Interspecies Antigen Sequence	Mouse (100); Rat (98)
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 — PTP4A2

Entrez GeneID	8073
GeneBank Accession#	NM_080391.2
Protein Accession#	NP_536316.1
Gene Name	PTP4A2
Gene Alias	HH13, HH7-2, HU-PP-1, OV-1, PRL-2, PRL2, PTP4A, PTPCAAX2, ptp-IV1a, ptp-IV1b
Gene Description	protein tyrosine phosphatase type IVA, member 2
Omim ID	601584
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants that encode two distinct isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000003902|phosphatase of regenerating liver 2|protein tyrosine phosphatase IVA|protein tyrosine phosphatase IVA2