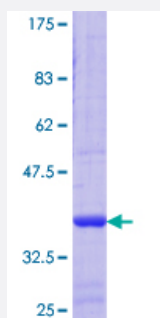


PTP4A2 (Human) Recombinant Protein (Q01)

Catalog # H00008073-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|--------------------------------------|---|
| Product Description | Human PTP4A2 partial ORF (NP_003470.1, 1 a.a. - 95 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | MNRPAPVEISYENMRFLITHNPTNATLNKFTEELKKYGVTTLVRVCDATYDKAPVEKEGIHVLDPWFDDGAPPPNQVDDWLNLLKTKFREEPGC |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 36.19 |
| 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_003479](#)

Protein Accession# [NP_003470.1](#)

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