Recombinant Human PTP4A2, GST-tagged

Cat. No. PTP4A2-449H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRL 2, full length with N-terminal GST tag expressed in a*Baculovirus*infected Sf9 cell expression system. MW= 66 kDa.
Species	Human
Source	Sf9 Cells
Description	Protein tyrosine phosphatase type IVA 2 is an enzyme that in humans is encoded by the PTP4A2 gene. he 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.
Purity	>90%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.

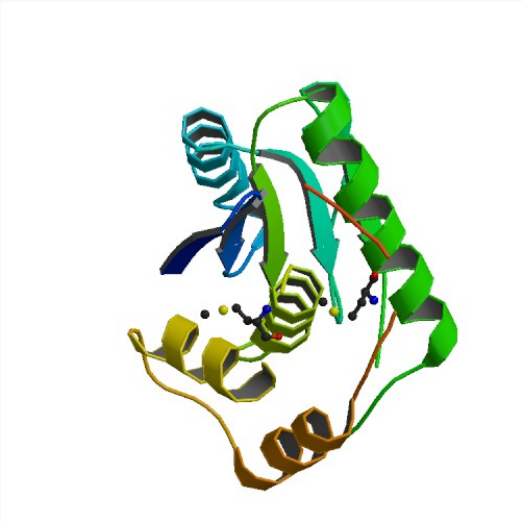
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Full Length	Full L.

GENE INFORMATION

Gene Name	PTP4A2 protein tyrosine phosphatase type IVA, member 2 [Homo sapiens]
Synonyms	PTP4A2; protein tyrosine phosphatase type IVA, member 2; HH13; OV-1; PRL2; HH7-2; PRL-2; PTP4A; HU-PP-1; PTPCAAX2; ptp-IV1a; ptp-IV1b; Protein tyrosine phosphatase type IVA 2; EC 3.1.3.48; Protein-tyrosine phosphatase 4a2; BM-008; Protein-tyrosine phosphatase of regenerating liver 2
Gene ID	8073
mRNA Refseq	NM_080391
Protein Refseq	NP_536316
MIM	601584
UniProt ID	Q12974
Chromosome Location	1p35
Function	prenylated protein tyrosine phosphatase activity; hydrolase activity; protein binding

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PDB rendering based on 1rxd.	

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