

## Recombinant Human PTP4A2, His-tagged

**Cat. No.** PTP4A2-2801H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human PTP4A2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW =23.2 kDa (203aa), confirmed by MALDI-TOF.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>Protein tyrosine phosphatase type IVA 2 isoform 1, also known as PTP4A2, belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTP4A2 is localized to the early endosome that play regulatory roles in a variety of cellular processes.</p> <p>This protein 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.</p>
<b>Sequences Of Amino Acids</b>	<p>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNRP APVEISYENM  RFLITHNPTN ATLNKFTEEL KKYGVTTTLVR VCDATYDKAP VEKEGIHVLD  WPFDDGAPPP NQIVDDWLNL LKTKFREEPG CCVAVHCVAG LGRAPVLVAL  ALIECGMKYE DAVQFIRQKR RGAFNSKQLL YLEKYRPKMR LRFRDTNGHC CVQ</p>
<b>Purity</b>	> 90% by SDS - PAGE.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.

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**Concentration** 0.5 mg/ml (determined by Bradford assay).

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## 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

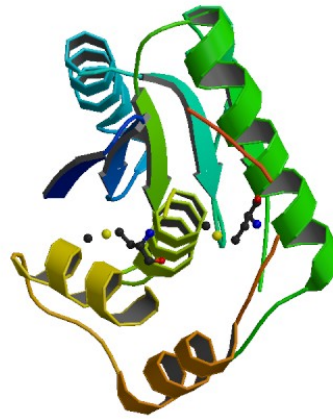
**Function** prenylated protein tyrosine phosphatase activity; hydrolase activity; protein binding

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