

Recombinant Human PTP4A2, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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. 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.
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNRP APVEISYENM RFLITHNPTN ATLNFTEEL KKYGVTTTLVR VCDATYDKAP VEKEGIHVLD WPFDDGAPPP NQIVDDWLNL LKTKFREEPG CCVAVHCVAG LGRAPVLVAL ALIECGMKYE DAVQFIRQKR RGAFNSKQLL YLEKYRPKMR LRFRDTNGHC CVQ
Purity	> 90% by SDS - PAGE.
Form	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

PDB rendering based
on 1rxl.

