

Recombinant Human PTP4A1, His-tagged

Cat. No. PTP4A1-952H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTP4A1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 21.6 kDa (190aa).
Species	Human
Source	E.coli
Description	PTP4A1, also known as protein tyrosine phosphatase type IVA 1, is cell signaling molecule that plays regulatory roles in a variety of cellular processes. This protein is a unique nuclear PTP that is induced in regenerating liver and mitogen stimulated cells. It is primarily expressed in spleen, bone marrow, thymus, lymph nodes, T lymphocytes and tonsil and is overexpressed in tumor cell lines.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
Purity	> 90% by SDS - PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SGLVPRGSH MARMNRPAPV EVTYKNMRFL ITHNPTNATL NKFIEELKKY GVTTIVRVCE ATYDRTLVEK EGIHVLDWPF DDGAPPSNQI VDDWLSLVKI KFREEPGCCI AVHCVAGLGR APVLVALALI EGGMKYEDAV QFIRQKRRGA FNSKQLLYLE KYRPMRLRF KDSNGHRNNC.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

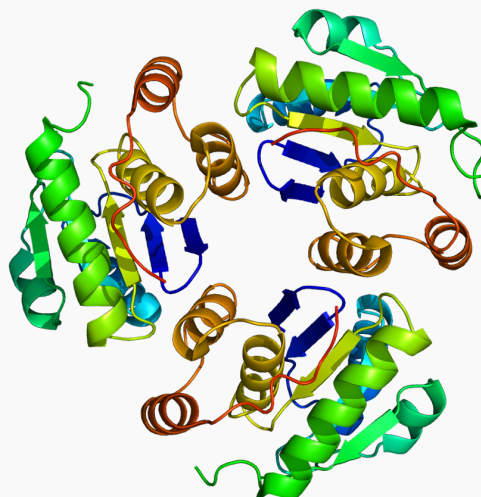
Gene Name	PTP4A1 protein tyrosine phosphatase type IVA, member 1 [Homo sapiens]
Synonyms	protein tyrosine phosphatase type IVA, member 1; HH72; PRL1; PRL-1; PTPCAAX1; PTP(CAAX1); DKFZp779M0721; PTP4A1; protein tyrosine phosphatase type IVA 1; PTP(CAAXI); protein-tyrosine phosphatase 4a1; Protein tyrosine phosphatase IVA1; protein tyrosine phosphatase type IVA protein 1; protein-tyrosine phosphatase of regenerating liver 1; Protein-tyrosine phosphatase 4a1; Protein-tyrosine phosphatase of regenerating liver 1; EC 3.1.3.48
Gene ID	7803
mRNA Refseq	NM_003463
Protein Refseq	NP_003454
MIM	601585
UniProt ID	Q93096
Chromosome Location	6q12
Function	protein tyrosine phosphatase activity; hydrolase activity

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