Recombinant Full Length Human PTP4A3 Protein, His-tagged

Cat. No. PTP4A3-379H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PRL-3, fused to His-tag at N-terminus, was expressed in*E.coli*and purified by using conventional chromatography. MW =21.6 kDa (193aa).
Species	Human
Source	E.coli
ProteinLength	1-173 a.a.
Description	Protein tyrosine phosphatase type IVA 3 (PRL-3), as known as PTP4A3, belongs to a small class of prenylated protein tyrosine phosphatases (PTPs) that remove phosphate modifications from tyrosine residues on proteins. This protein enhances cell proliferation, cell motility and invasive activity. High levels of PRL-3 expression are associated with tumorigenesis and metastasis, thus it is overexpressed in metastatic colorectal, ovarian, liver and skin cancers.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MARMNRPAPV EVSYKHMRFL ITHNPTNATL STFIEDLKKY GATTVVRVCE VTYDKTPLEK DGITVVDWPF DDGAPPPGKV VEDWLSLVKA KFCEAPGSCV AVHCVAGLGR APVLVALALI ESGMKYEDAI QFIRQKRRGA INSKQLTYLE KYRPKQRLRF KDPHTHKTRC CVM
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 2 mM EDTA, 1 mM DTT, 10% glycerol
Purity	> 95% by SDS – PAGE.

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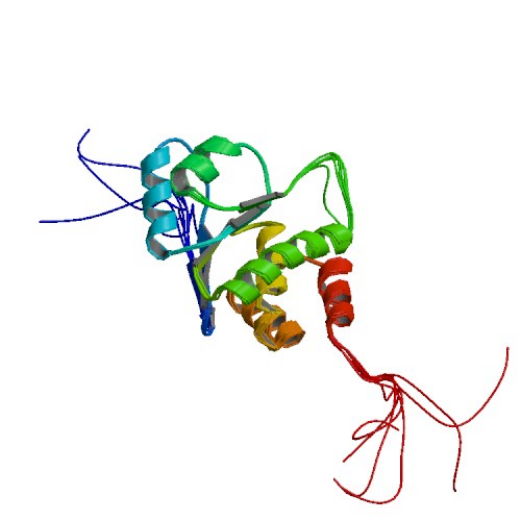
Concentration	1 mg/ml (determined by Bradford assay).
Endotoxin Level	< 1.0 EU per 1 μg of protein (determined by LAL method).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	PTP4A3 protein tyrosine phosphatase type IVA, member 3 [Homo sapiens]
Synonyms	PTP4A3; protein tyrosine phosphatase type IVA, member 3; PRL3; PRL-3; PRL-R; potentially prenylated protein tyrosine phosphatase; EC 3.1.3.48
Gene ID	11156
mRNA Refseq	NM_007079
Protein Refseq	NP_009010
MIM	606449
UniProt ID	O75365
Chromosome Location	8q24.3
Function	hydrolase activity; identical protein binding; prenylated protein tyrosine phosphatase activity

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PDB rendering based on 1r6h.



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