

Recombinant Human PTP4A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTP4A1-3642H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTP4A1 MS Standard C13 and N15-labeled recombinant protein (NP_003454) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of a small class of prenylated protein tyrosine phosphatases (PTPs), which contain a PTP domain and a characteristic C-terminal prenylation motif. The encoded protein is a cell signaling molecule that plays regulatory roles in a variety of cellular processes, including cell proliferation and migration. The protein may also be involved in cancer development and metastasis. This tyrosine phosphatase is a nuclear protein, but may associate with plasma membrane by means of its prenylation motif. Pseudogenes related to this gene are located on chromosomes 1, 2, 5, 7, 11 and X.
Molecular Mass	19.8 kDa
AA Sequence	MARMNRPAPVEVTYKNMRFLITHNPTNATLNKFIEELKKYGVTTIVRVCEATYDTTLV EKEGIHVLDWPFDDGAPPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLV ALALIEGGMKYEDAVQFIRQKRRGAFNSKQLLYLEKYRPKMRLRFKDSNGHRNNCCI QTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

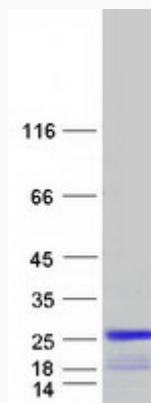
GENE INFORMATION

Gene Name	PTP4A1 protein tyrosine phosphatase 4A1 [Homo sapiens (human)]
Official Symbol	PTP4A1
Synonyms	PTP4A1; protein tyrosine phosphatase type IVA, member 1; protein tyrosine phosphatase type IVA 1; PRL 1; PTPCAAX1; PTP(CAAXI); protein-tyrosine phosphatase 4a1; Protein tyrosine phosphatase IVA1; protein tyrosine phosphatase type IVA protein 1; protein-tyrosine phosphatase of regenerating liver 1; HH72; PRL1; PRL-1; PTP(CAAX1); DKFZp779M0721;
Gene ID	7803
mRNA Refseq	NM_003463
Protein Refseq	NP_003454
MIM	601585
UniProt ID	Q93096

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SDS-PAGE

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