

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

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

## SPECIFICATION

<b>Product Overview</b>	PTP4A1 MS Standard C13 and N15-labeled recombinant protein (NP_003454) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	19.8 kDa
<b>AA Sequence</b>	MARMNRPAPVEVTYKNMRFLITHNPTNATLNKFIEELKKYGVTTIVRVCEATYDTTLV EKEGIHVLDWPFDDGAPPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLV ALALIEGGMKYEDAVQFIRQKRRGAFNSKQLLYLEKYRPKMRLRFKDSNGHRNNCCI QTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">PTP4A1 protein tyrosine phosphatase 4A1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">PTP4A1</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">7803</a>
<b>mRNA Refseq</b>	<a href="#">NM_003463</a>
<b>Protein Refseq</b>	<a href="#">NP_003454</a>
<b>MIM</b>	<a href="#">601585</a>
<b>UniProt ID</b>	<a href="#">Q93096</a>

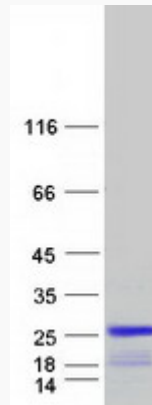
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SDS-PAGE



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