

Product datasheet for **TP300435**

PTP4A1 (NM_003463) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase type IVA, member 1 (PTP4A1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200435 protein sequence Red =Cloning site Green =Tags(s)
	 MARMNRPAPVEVTYKNNMRLITHNPTNATLNKFIEELKKYGVTIVRVCEATYDSSLVEKEGIHVLDPWF DDGAPPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLVALALIEGGMKYEDAVQFIRQKRRGA FNSKQLLYLEKYRPMRLRFKDSNGHRNNCCIQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	19.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003454
Locus ID:	7803
UniProt ID:	Q93096 , A0A024R8J2



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RefSeq Size: 5093

Cytogenetics: 6q12

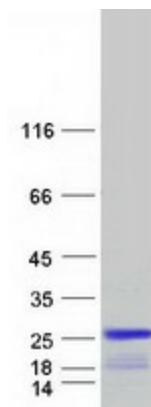
RefSeq ORF: 519

Synonyms: HH72; PRL-1; PRL1; PTP(CAAX1); PTPCAAX1

Summary: 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. [provided by RefSeq, Jun 2013]

Protein Families: Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified PTP4A1 protein (Cat# TP300435). The protein was produced from HEK293T cells transfected with PTP4A1 cDNA clone (Cat# [RC200435]) using MegaTran 2.0 (Cat# [TT210002]).