

Product datasheet for PH300435

PTP4A1 (NM_003463) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PTP4A1 MS Standard C13 and N15-labeled recombinant protein (NP_003454)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200435
Predicted MW:	19.8 kDa
Protein Sequence:	>RC200435 protein sequence Red =Cloning site Green =Tags(s) MARMNRPAPVEVTYK NMRFLITHNPTNATLNK FIEELKKYGVTTIVRVCEATYD TTLVEKEGIHVLDWPF DDGAPPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLVALALIEGGMKYEDAVQFIRQKRRGA FNSKQLLYLEKYRPMRLRFKDSNGHRNNCCIQ TR TRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003454
RefSeq Size:	5093
RefSeq ORF:	519
Synonyms:	HH72; PRL-1; PRL1; PTP(CAAX1); PTPCAAX1
Locus ID:	7803
UniProt ID:	Q93096 , A0A024R8J2



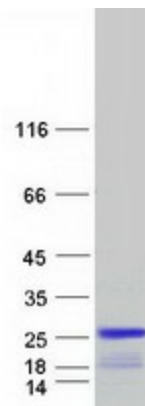
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Cytogenetics: 6q12

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]).