

Product datasheet for RC200435

PTP4A1 (NM_003463) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

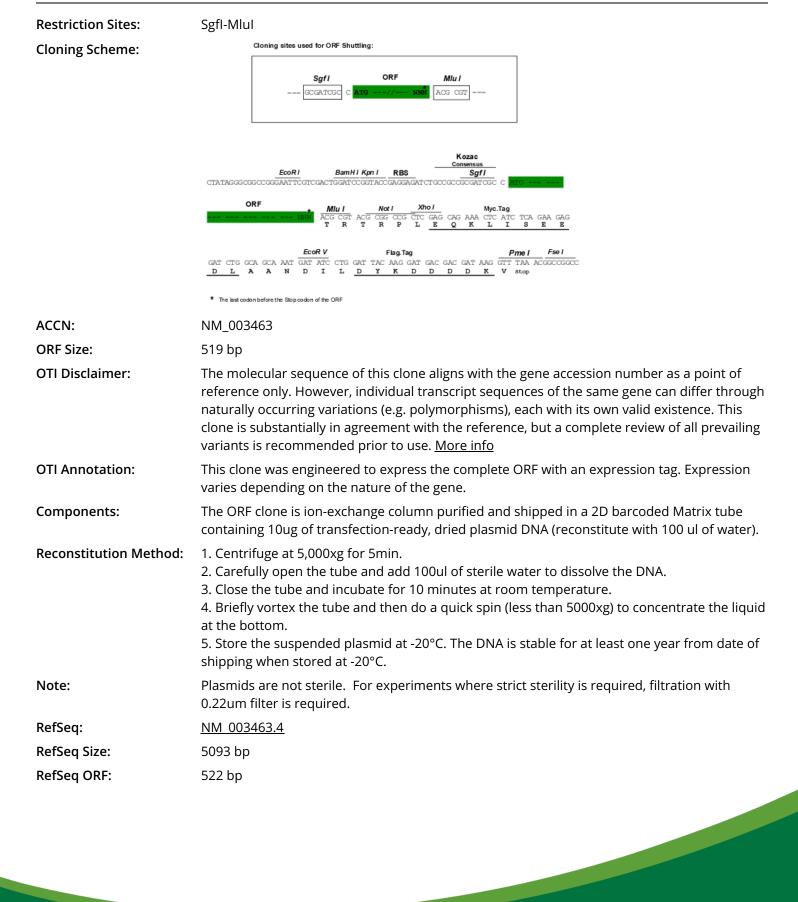
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	PTP4A1 (NM_003463) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PTP4A1
Synonyms:	HH72; PRL-1; PRL1; PTP(CAAX1); PTPCAAX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC200435 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCTCGAATGAACCGCCCAGCTCCTGTGGAAGTCACATACAAGAACATGAGATTTCTTATTACACACA ATCCAACCAATGCGACCTTAAACAAATTTATAGAGGAACTTAAGAAGTATGGAGTTACCACAATAGTAAG AGTATGTGAAGCAACTTATGACACTACTCTTGTGGAGAAAGAA
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC200435 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MARMNRPAPVEVTYKNMRFLITHNPTNATLNKFIEELKKYGVTTIVRVCEATYDTTLVEKEGIHVLDWPF DDGAPPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLVALALIEGGMKYEDAVQFIRQKRRGA FNSKQLLYLEKYRPKMRLRFKDSNGHRNNCCIQ
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6429_d10.zip



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

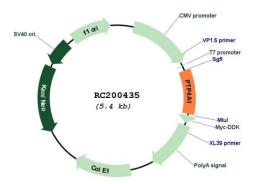
CRIGENE PTP4A1 (NM_003463) Human Tagged ORF Clone – RC200435



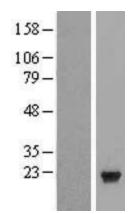
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	PTP4A1 (NM_003463) Human Tagged ORF Clone – RC200435
Locus ID:	7803
UniProt ID:	<u>Q93096</u>
Cytogenetics:	6q12
Domains:	Y_phosphatase, PTPc_motif
Protein Families	: Druggable Genome, Phosphatase
MW:	19.8 kDa
Gene 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]

Product images:

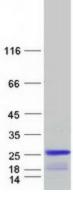


Circular map for RC200435



Western blot validation of overexpression lysate (Cat# [LY418665]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200435 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



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]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US