

Product datasheet for MR218456

Ptp4a1 (NM_011200) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptp4a1 (NM_011200) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptp4a1
Synonyms:	AA415290; AU019864; C130021B01; Prl-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218456 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCGAATGAACCGCCCTGCTCCTGTGGAAGTCACATACAAGAACATGCGATTTCTTATTACACACA
ATCCAACCAATGCGACCTTAAACAAATTTATAGAGGAACCTAAGAAGTATGGAGTTACCACAATAGTAAG
AGTATGTGAAGCAACTTACGACTACTCTTGTGGAGAAAGAAGGCATTCATGTTCTTGACTGGCCTTTT
GATGATGGTGCACCACCATCAACCAGATTGTCGATGACTGGCTAAGTCTTGTGAAGATTAAGTTTCGTG
AAGAACCTGGTTGCTGTATTGCTGTCCATTGTGTGCGAGGCCCTTGGCAGAGCTCCGGTGCTTGTGGCCT
AGCATTAAATTGAAGGTGAATGAAATATGAAGATGCAATCAATTCATAAGACAAAAGCGCGTGGAGCT
TTTAACAGCAAGCAACTTTTGTATCTGGAGAAGTACCGTCCGAAAATGCGGCTCCGCTTCAAGGATTCCA
ATGGTCATAGAAACAACCTGTTGTATTCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR218456 protein sequence Red=Cloning site Green=Tags(s)
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MARMNRPAPVEVYKMNRFILITHNPTNATLNKFI EELKKYGVTTIVRVCEATYDRTLVEKEGIHVLDPWF
DDGAPPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLVALALIEGGMKYEDAVQFIRQKRRGA
FNSKQLLYLEKYRPMRLRFKDSNGHRNNCCIQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:



ACCN: NM_011200

ORF Size: 522 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_011200.2](#), [NP_035330.1](#)

RefSeq Size: 4153 bp

RefSeq ORF: 522 bp

Locus ID: 19243

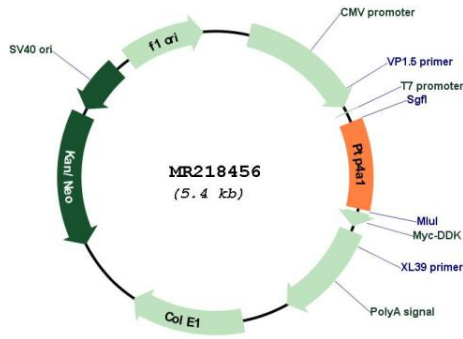
UniProt ID: [Q63739](#)

Cytogenetics: 1 B

MW: 19.8 kDa

Gene Summary: Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. May play a role in the development and maintenance of differentiating epithelial tissues (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218456