

Product datasheet for **MG201475**

Ptp4a1 (BC086787) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptp4a1 (BC086787) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ptp4a1
Synonyms: MGC25304, C130021B01, Prl-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201475 representing BC086787
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCGAATGAACCGCCCTGCTCCTGTGGAAGTCACATACAAGAACATGCGATTTCTTATTACACACA
 ATCCAACCAATGCGACCTTAAACAAATTTATAGAGGAACCTAAGAAGTATGGAGTTACCACAATAGTAAG
 AGTATGTGAAGCAACTTACGACTACTCTTGTGGAGAAAGAAGGCATTCATGTTCTTGACTGGCCTTTT
 GATGATGGTGCACCACCATCAACCAGATTGTCGATGACTGGCTAAGTCTTGTGAAGATTAAGTTTCGTG
 AAGAACCCTGGTTGCTGTATTGCTGTCCATTGTGTGCGAGGCCCTTGGCAGAGCTCCGGTGCTTGTGCCCT
 AGCATTAAATTGAAGGTGAATGAAATATGAAGATGCAAGTACAATTCATAAGACAAAAGCGCGTGGAGCT
 TTTAACAGCAAGCAACTTTTGTATCTGGAGAAGTACCGTCCGAAAATGCGGCTCCGCTTCAAGGATTCCA
 ATGGTCATAGAAACAACCTGTTGTATTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201475 representing BC086787
 Red=Cloning site Green=Tags(s)

MARMNRPAPVEVYKNNRFLITHNPTNATLNKFI EELKKYGVTTIVRVCEATYD TTLVEKEGIHVL DWPFD
 DDGAPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLVALALIEGGMKYEDAVQFIRQKRRGA
 FNSKQLLYLEKYRPMRLRFKDSNGHRNNCCIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: BC086787

ORF Size: 519 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: [BC086787](#), [AAH86787](#)

RefSeq Size: 1829 bp

RefSeq ORF: 521 bp

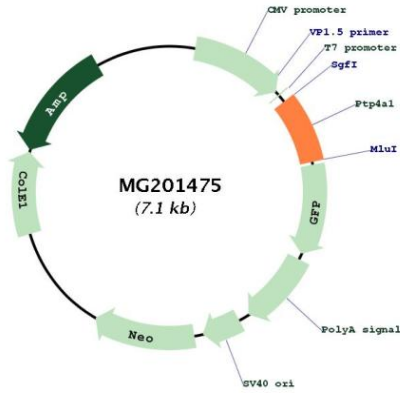
Locus ID: 19243

Cytogenetics: 1 B

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 MG201475