

Product datasheet for **MG201481**

Ptp4a1 (BC055039) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptp4a1 (BC055039) 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: >MG201481 representing BC055039
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCGAATGAACCGCCCTGCTCCTGTGGAAGTCACATACAAGAACATGCGATTTCTTATTACACACA
 ATCCAACCAATGCGACCTTAAACAAATTTATAGAGGAACCTAAGAAGTATGGAGTTACCACAATAGTAAG
 AGTATGTGAAGCAACTTACGACTACTCTTGTGGAGAAAGAAGGCATTCATGTTCTTGACTGGCCTTTT
 GATGATGGTGCACCACCATCAACCAGATTGTCGATGACTGGCTAAGTCTTGTGAAGATTAAGTTTCGTG
 AAGAACCTGGTTGCTGTATTGCTGTCCATTGTGTGCGAGGCCCTTGGCAGAGCTCCGGTGCTTGTGCCCCT
 AGCATTAAATTGAAGGTGAATGAAATATGAAGATGCAAGTACAATTCATAAGACAAAAGCGCGTGGAGCT
 TTTAACAGCAAGCAACTTTTGTATCTGGAGAAGTACCGTCCGAAAATGCGGCTCCGCTTCAAGGATTCCA
 ATGGTCATAGAAACAACCTGTTGTATTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201481 representing BC055039
 Red=Cloning site Green=Tags(s)

MARMNRPAPVEVYKMRFLITHNPTNATLNKFI EELKKYGVTTIVRVCEATYD TTLVEKEGIHVLWDWPF
 DDGAPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLVALALIEGGMKYEDAVQFIRQKRRGA
 FNSKQLLYLEKYRPMRLRFKDSNGHRNCCIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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:	<ol style="list-style-type: none">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:	<u>BC055039</u> , <u>AAH55039</u>
RefSeq Size:	1525 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]