

Product datasheet for **MG225305**

Ptp4a3 (NM_001166390) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptp4a3 (NM_001166390) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ptp4a3
Synonyms: AV088979; pPtp4a3; Prl-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG225305 representing NM_001166390
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCCGGCATCTGCAAGTGTCTGAAGCATTGGCTGGAACCTTCAGGACCTGAAGAAGTACGGGGCTA
 CCACTGTGGTGCGCGTGTGTGAAGTGACCTATGACAAGACCCCTGGAGAAGGACGGCCTCACTGTTGT
 GGACTGGCCCTTTGATGATGGAGCGCCCTCCTGGCAAAGTGGTAGAGGACTGGCTGAGCCTGCTGAAG
 GCCAAGTTCTACAATGACCCGGGAAGCTGCGTAGCTGTGCACTGTGTGGCGGGCCTGGGAAGGGCCCGAG
 TGCTCGTGGCTCTCGCCCTCATCGAGAGCGGGATGAAGTACGAGGACGCCATCCAGTTCATCCGACAGAA
 GCGCCGTGGGGCCATCAACAGCAAGCAGCTCACCTACCTGGAGAAGTACCGGCCTAAGCAGAGACTGAGG
 TTCAAAGACCCACACACGACACAAGACCAGATGCTGCGTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225305 representing NM_001166390
 Red=Cloning site Green=Tags(s)

MVRHLQVSEALAGNLQDLKKYGATTVVRVCEVTYDKTPLEKDGITVVDWPFDDGAPPPGKVVEDWLSLLK
 AKFYNDPGSCVAVHCVAGLGRAPVLVALALIESGMKYEDAIIQFIRQKRRGAINSKQLTYLEKYRPKQRLR
 FKDPHTHKTRCCVM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

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>NM_001166390.1, NP_001159862.1</u>
RefSeq Size:	2640 bp
RefSeq ORF:	465 bp
Locus ID:	19245
UniProt ID:	<u>Q9D658</u>
Cytogenetics:	15 D3
Gene Summary:	Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. Enhances cell proliferation, cell motility and invasive activity, and promotes cancer metastasis. May be involved in the progression of cardiac hypertrophy by inhibiting intracellular calcium mobilization in response to angiotensin II.[UniProtKB/Swiss-Prot Function]