

Product datasheet for **MC209259**

Ptp4a2 (NM_001164745) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptp4a2 (NM_001164745) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ptp4a2
Synonyms: Prl-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209259 representing NM_001164745
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACCGTCCAGCCCCTGTGGAGATCTTTATGAGAACATGCGTTTTCTGATAACTCACACCCACCA
ATGCGACTCTCAACAAGTTCACAGAGGAACCTAAGAAGTACGGAGTGACAACCTTTGGTTCGAGTTTGTGA
TGCTACATATGATAAAGCTCCAGTTGAAAAAGAAGGAATCCACGTTCTAGATTGGCCGTTTGTATGATGGA
GCTCCACCCCTAATCAGATAGTAGATGATTGGCTAAACCTGTTAAAAACCAAATTCGTGAAGAGCCAG
GCTGTTGTGTTGCAAGTGCATTGTGTTGCAGGATTGGGAAGGGCTCCTGTGCTAGTTGCGCTTGCATTGAT
TGAATGCGGAATGAAGTATGAAGATGCTGTTCAATTTATAAGACAAAAAGAAGAGGAGCATTCAATTCC
AAACAGCTGCTTTACTTGGAGAAGTACCGACCTAAGATGCGGTTACGCTTCAGAGATACCAATGGGCACT
GCTGTGTT**CAGTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001164745
Insert Size: 504 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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_001164745.1, NP_001158217.1</u>
RefSeq Size:	3382 bp
RefSeq ORF:	504 bp
Locus ID:	19244
UniProt ID:	<u>O70274</u>
Cytogenetics:	4 D2.2
Gene Summary:	<p>Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. Inhibits geranylgeranyl transferase type II activity by blocking the association between RABGGTA and RABGGTB (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.</p>