

Product datasheet for **MG214302**

Ppp1r36 (NM_001163103) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Ppp1r36
Synonyms:	Gm70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214302 representing NM_001163103
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCAAGAGTGAGGCCATGTTACCAGTCCCAGAGTTTTACTCCAGGAGAAAGCAGTTTGTGCGGCAAT
CCTCTACCCGGCTGGACCAATGTGGATTACGACTAGGAATGTGGTATTGGAAAGACGAAACAAAACCTCT
GGAATTTAAAAGTTTCACACCTGCAATAGAAGTCAAGGAGAAAGGCAAGAAAGGGAAGGCGGTTCACTTT
GCTGAGATGGACAGCGGAGCTTCGAAAGGTTGACAGATAAAAGGTTTGCCTCAAGGGATGAGAAGGCGG
CTAAGGCTTTGGAGAAACGAAGTCAGCAGGGCAATGTCACGCTGGATGACGTCAAGTTTGTGCCCTGCT
GTCCCTCCAGGACTGAAATGCAGCGGATCTGCTCCTTACCACGTTTTTGGGAATAAGAATCTTGAC
AGCTTCCTCATGGCGCTGTTGACTATCTGTCTTATTACCTGCAGAGACTCTCGATGGAGAAGAATCCCC
AAAGCCGCGTGGTAGGCCTGATAGAGAAGAAGAGGTAGAGCTGGTTGGAACAAGTTAGAAGATGCACA
GAAGTACCTGGCTCAGAAGTACTGCATCCTCGTCTGGGCTTGGGATGGCGGATAAGCATCACTTGAGC
TGTGAAAGGAGAAAATATCAGACACCCAAAAGACTGAAATTTCTTTGAGTCCTTTATACCTTCTGTA
CCTGTATAGCCTGGATCGTCTCCGACGTCAGTACTTGACAGAGATCGAGGAAGAGGTAGGCAGGCTTTT
TCGGACCAATATGTTTAACTTCTCGAAGGAAGCATGAAGACGAAGCGTCAGGAGGAGAGAAGAAGCGC
ATGACATTGGTACAGTTTCAGGAGAATGATGGCAAAACGTCAGCAATTAAGGCGCTGGACATGCGCT
CCCCAGTTTTGCTACGCTGCTGCCGCTCTCAGAGAAAAAGCTCAACATATCAGAGAAAAAGTATGT
GGCAGGCATCAAACCTCAACCCGAGAGGAGAACAATAACAGATCTGGAATCTGTGGCTATGCCAATA
GTTGGCATCTGGGGGAGCCTCGAAATCTGTTCAACCCGAATACTCTCTCCCTGGAATTAGAAGAAA
ACACAAAACCAAGTGAAGAAGTTCTTCATAGTCGAGACAAATAACACAAAGATCCAAAACACACTGAG
TTTAGTCATGTCAAAACTAGCTTCGCCAAGCACCTGCCTAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214302 representing NM_001163103
 Red=Cloning site Green=Tags(s)

MVKSEAMFTVPEFYSRKQFVQSSSTRLDQCGLRLGMWYWKDETKTLEFKSFTPAIELKEKGKGGKAVHF
 AEMDSGASERLTDKRFASRDEKAAKALEKRSQQGNVTLDDVKFVALLSLQDTEMQRICSFTTFLRNKNLD
 SFLMALLYLSYQLRLSMEKNPQSRVVGLIEKKEVELVVKLEDAQKYLAQKYCILVLGLGMADKHLS
 CGKEKISDTQKDWKFFESFYTFCTCIAWIVFRQYLTEIEEEVGRLFRTNMFNIPRRKHEDEASGGKKR
 MTLVQFRRMMAKRPAIKKAVDMRSPVLSTLLPSLREKAQHITTEKKYVAGIKLQPREENIITDLESVAMPI
 VGILGEPRNLFNPNTLLPLELEENTKPSGRSSSIVETNNTKIQNTLSLVMSKLASPSTCPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163103

ORF Size: 1233 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001163103.1](#), [NP_001156575.1](#)

RefSeq Size: 1453 bp

RefSeq ORF: 1236 bp

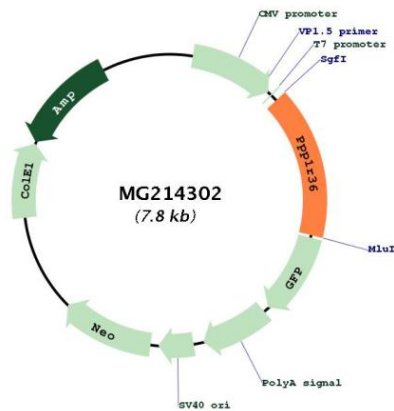
Locus ID: 210762

UniProt ID: [D3Z0R2](#)

Cytogenetics: 12 C3

Gene Summary: Inhibits phosphatase activity of protein phosphatase 1 (PP1) complexes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG214302