

Product datasheet for **MR214302**

Ppp1r36 (NM_001163103) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ppp1r36
Synonyms:	Gm70
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR214302 representing NM_001163103
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTCAAGAGTGAGGCCATGTTACCGTCCCAGAGTTTACTCCAGGAGAAAGCAGTTTGTGGGCAAT
CCTCTACCCGGCTGGACCAATGTGGATTACGACTAGGAATGTGGTATTGGAAAGACGAAACAAAACTCT
GGAAATTTAAAGTTTCACACCTGCAATAGAAGTCAAGGAGAAAGGCAAGAAAGGAAGGCGGTTCACTTT
GCTGAGATGGACAGCGGAGCTTCGGAAGGTTGACAGATAAAAGGTTTGCCTCAAGGGATGAGAAGGCGG
CTAAGGCTTTGGAGAAACGAAGTCAGCAGGCAATGTCACGCTGGATGACGTCAAGTTTGTGCCCTGCT
GTCCCTCCAGGACACTGAAATGCAGCGGATCTGCTCCTTACCACGTTTTTGGGAATAAGAATCTTGAC
AGCTTCCTCATGGCGCTGTGTACTATCTGTCTTATTACCTGCAGAGACTCTCGATGGAGAAGAATCCCC
AAAGCCGCGTGGTAGGCCTGATAGAGAAGAAAGAGGTAGAGCTGGTTGTGAACAAGTTAGAAGATGCACA
GAAGTACCTGGCTCAGAAGTACTGCATCCTCGTCTGGGCTTGGGCATGGCGGATAAGCATCACTTGAGC
TGTGGAAAGGAGAAAAATATCAGACACCCAAAAAGACTGGAATTTCTTGAGTCCTTTATACCTTCTGTA
CCTGTATAGCCTGGATCGTCTTCCGACGTCAGTACTTGACAGAGATCGAGGAAGAGGTAGGCAGGCTTTT
TCGGACCAATATGTTTAACTTCTCGAAGGAAGCATGAAGACGAAGCGTCAGGAGGAGAGAAGAAGCGC
ATGACATTGGTACAGTTCAAGGAGAATGATGGCAAAACGTCCAGCAATTAAGGCGCTGGACATGCGCT
CCCCAGTTTGTCTACGCTGCTGCCGTCTCTCAGAGAAAAAGCTCAACATATCAGAGAAAAAGTATGT
GGCAGGCATCAAACTCCAACCCGAGAGGAGAACAATAACAGATCTGGAATCTGTGGCTATGCCAATA
GTTGGCATCTTGGGGAGCCTCGAAATCTGTTCAACCCGAATACTCTCCTCCCTGGAATTAGAAGAAA
ACACAAACCAAGTGAAGAAGTTCTTCATAGTCGAGACAAATAACACAAAGATCCAAACACACTGAG
TTTAGTCATGTCAAACTAGCTTCGCCAAGCACCTGCCCTAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Red=Cloning site Green=Tags(s)

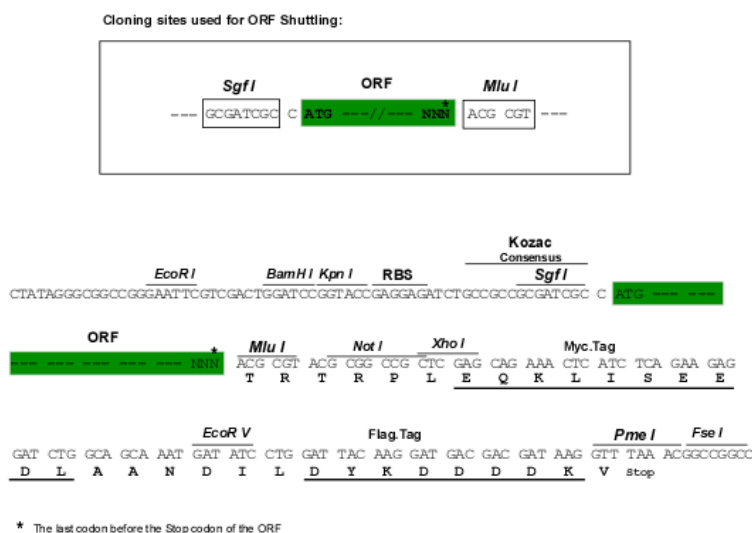
MKVSEAMFTVPEFYSRRKQFVGQSSTRLDQCGLRLGMWYKDETKTLEFKSFTPAIELKEKGKKGKAVHF
 AEMDSGASERLTDKRFA SRDEKAAKALEKRSQGGNVLDDVKFVALLSLQDTEMQRICSTFTFLRNKNLD
 SFLMALLYL SYYLQRLSMEKNPQSRVVLTEKKEVELVVKLEDAQKYLAQKYCYILVLGLGMADKHLS
 CGKEKISDTQDKWKFFESFYFTCTCIAIWIVFRQYLTEIEEEVGRKFLRTNMFINIPRRKHEDEASGGEKKR
 MVLQVFRMMARPAIKKAYDMSPSVLSTLLPSLREKAQHYTEKLLVYAGIKLOPRENIIITDLESVAMPI
 VTGI GEPNNI FNPNIT I PI EI FENTKPSGRSSSVETNNKTONTI SI VMSKI ASPSTCPK

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9081_b05.zip

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

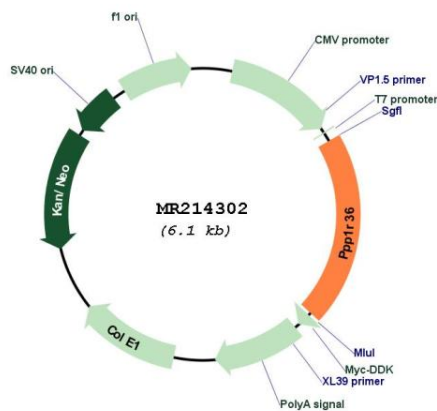
UniProt ID: [D3Z0R2](#)

Cytogenetics: 12 C3

MW: 47.4 kDa

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

Product images:



Circular map for MR214302