

Product datasheet for **MG216336**

Ppm1m (NM_198931) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ppm1m (NM_198931) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Ppm1m |
| Synonyms: | 2810423O19Rik; AW610647; C77250; PP2Ceta |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG216336 representing NM_198931 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGTCCCACCTCGCACCTCACTTAGGGTTTGGCCTATGCTCTGTGGGATAAGGGTTATCAATGCAG
AAAAATCTGAATCAACGAAGACCAGGCTGCTTGCAGGAAAGCTATGCATCCGGCGATGTGAGTTTGGGAT
CGAAGAACATCAAGAGTGGCTGACGGTGTGCCAGAGGAGTTCTGACGGTCACTACTGGCAGCTGTT
GATGGGCATGGTGGCCCTGCTGCAGCTATCTTGGCTGCCAACCCCTGCACCTCTTGCCTTCGCCGCGAGC
TGGAGGCTGTGGTTGAAGGCATGATAGCCCTCAGCCCCATGCACCTCAGTGGCGCTGTGTCTGCC
CAGTGACCCCACTTCGTGGAGGAAAAGGGATCCAGGCAGAAGACTTGGTGATCGGGCTCTGGAGAAC
GCCTTCCAGGAATGTGATGATGTGATTGGGAGAGAGCTGGAGGCCCTCAGGACAGGTGGTGGCTGTACAG
CCCTGGTGGCGGTGTTCTGCAAGGGAAGCTGTATGTGGCCAATGCTGGGACAGCAGGGCCATCTTGGT
GCGGAGACATGAGATACGGCAGCTGAGTTCTGAGTTCACCCAGAAACAGAGCGGCGAGCGGATCCAGCAG
CTGGCCTTACCTACCCTGAGCTTCTGGCTGGAGAGTTCACCCGACTGGAGTTCACCGCGGCTAAAGG
GGGATGACTTAGGGCAGAAGTTTTGTTTCAGGGATCATCATGAGAGGCTGGAGCTACAAACGGGTGGA
AAAGCTGATCTCAAGTATCCAATGATTGATGACAGGGTAGGCAGGCGCGGTTACTGGAAACACTGGCT
GTCTCTAGAGGGCTGGGCGACCATCAGCTTAGAGTCTGGACACCGACATCCAGTGAAGCCCTCCTAC
TCTCCATCCCTCAGGTGACTGTGCTGGATGTCCACCAGCTGGCAGTGCAGGAGGAGGATGTGGTTGTCAT
GGCAACTGATGGGCTCTGGGATGTCTGTCCAATGAGCAGGTGGCACTGCTTGTGCGGAGCTTCTCACC
GGGAACAAAAGGATGACCCACACAGGTTCTCAGAGTTGGCCAAAATGCTGATACACAACACTCAAGGAA
AGGACAAATGGTGCCACCGGAGAGGGCAGGTATCCTACGACGATGTCTCCGTGTTTGTGATTCTTTGCA
CAGCCAGGCCCAAGAAGGCAGTGGCCAC

ACGGTACGGCGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216336 representing NM_198931
 Red=Cloning site Green=Tags(s)

MYVPPRTSLRVWPLCGIRVINA EKSEFNEDQAACGKLCIRRCEFGIEEHQEWL TVCPPEEFLTGHYWALF
 DGHGGPAAAAILAANTLHSLRRQLEAVVEGMIAPQPPMHL SGRCVCPSPDQFVEEKGIQAEDLVIGALEN
 AFQECDDVIGRELEASGQVGGCTALVAVFLQGLYVANAGDSRAILVRRHEIRQLSSEFTPETERQRIQQ
 LAFTYPELLAGEFTRLEFPRRLKGGDLGQKVLFRDHHMRGWSYKRVEKSDLKYPLIHGQGRQARLLGTLA
 VSRGLGDHQLRVLDTDIQLKPFLLSIPQVTVLVDVHQLAVQEEDVVVMATDGLWDVLSNEQVALLVRSFLT
 GNQKDDPHRFSELAKMLIHNTQGDNGATGEGQVSYDDVSVFVIPLHSQAQEGSGH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198931

ORF Size: 1218 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.

RefSeq: [NM_198931.3](#), [NP_945149.2](#)

RefSeq Size: 1848 bp

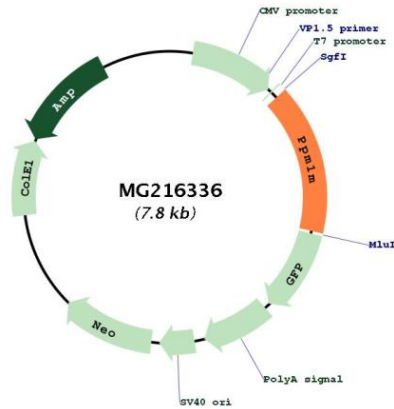
RefSeq ORF: 1221 bp

Locus ID: 67905

UniProt ID: [Q8BU27](#)

Cytogenetics: 9 F1

Product images:



Circular map for MG216336