

Product datasheet for **MG204303**

Ppm1m (NM_026447) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1m (NM_026447) 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)



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ORF Nucleotide Sequence:

>MG204303 representing NM_026447
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCGCGCGCTGGTTCCGGCGCGCTTCTACCCGGGGTCCACTTCCAGAGCCGCGCCAGCCGGG
 CGCGCTCCAGCCCGGTGCCCTATCACCGCCCGCTTTCTACGCGCTCCGGCTCCAGCCCGGGCGCCAC
 TGACGCTCGCGCCGCCGATGCCCGCGGTGCGCAGCCAGCACGGGCGCACACTGCCTTGAAC
 GCAGGCTACGAGGTTATCAATGCAGAAAAATCTGAATTCAACGAAGACCAGGCTGCTTGCGGGAAGC
 TATGCATCCGGGATGTGAGTTGGGATCGAAGAACATCAAGAGTGGTGACGGTGTGCCAGAGGAGTT
 CCTGACGGGCTCACTACTGGGCACTGTTTGTGATGGGCATGGTGGCCCTGCTGCAGCTATCTTGGCTGCCAAC
 ACCCTGCACTCTGCCTTCGCCGCGAGCTGGAGGCTGTGGTTGAAGGCATGATAGCCCTCAGCCCCCA
 TGCACCTCAGTGGCCGCTGTGTCTGCCAGTGACCCCAAGTTCGTGGAGAAAAGGGATCCAGGCAGA
 AGACTTGGTGATCGGGCTCTGGAGAACGCCTTCCAGGAATGTGATGATGTGATTGGGAGAGAGCTGGAG
 GCCTCAGGACAGGTGGGTGGCTGTACAGCCCTGGTGGCGGTGTTCTGCAAGGGAAGCTGTATGTGCCA
 ATGCTGGGGACAGCAGGGCCATCTTGGTGGGAGACATGAGATACGGCAGCTGAGTTCTGAGTTCACCCC
 AGAAACAGAGCGGCAGCGGATCCAGCAGCTGGCCTTTACCTACCTGAGCTTCTGGCTGGAGAGTTCACC
 CGACTGGAGTTCCACCGCGGCTAAAGGGGATGACTTAGGGCAGAAGGTTTTGTTACAGGGATCATCACA
 TGAGAGGCTGGAGCTACAAACGGGTGAAAAAGTCTGATCTCAAGTATCCACTGATTCATGGACAGGGTAG
 GCAGGCGCGGTTACTGGGAACACTGGCTGTCTCTAGAGGGCTGGGCGACCATCAGCTTAGAGTCTGGAC
 ACCGACATCCAGCTGAAGCCCTTCTACTCTCCATCCCTCAGGTGACTGTGCTGGATGCCACCAGCTGG
 CAGTGCAGGAGGAGGATGTGGTTGTGATGGCACTGATGGGCTCTGGGATGTCTTCCAATGAGCAGGT
 GGCAGTCTTGTGCGGAGCTTCTCACCGGAACCAAAAGGATGACCCACACAGTTCTCAGAGTTGGCC
 AAAATGCTGATACACAACACTCAAGGAAAGGACAATGGTGCCACCGGAGAGGGGCAGGTATCTACGACG
 ATGTCTCCGTGTTGTGATTCTTTGCACAGCCAGGCCCAAGAAGGCAGTGGCCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG204303 representing NM_026447
 Red=Cloning site Green=Tags(s)

MSAGWFRRRFLPGGPLPEPRPAGPRSSPVYHRPRFLRGSSSPGATDASRRPDARPVRSARGRTLAWN
 AGYAEVINAEEKSEFNEDQAACGKLCIRRCFEGIEHQEWLTVCPPEEFLTGHWALFDGHGGPAAAILAAN
 TLHSCLRRQLEAVVEGMIAPQPPMHLSGRCVCPSPDQFVEEKGIQAEDLVIGALENAFQECDDVIGRELE
 ASGQVGGCTALVAVFLQKLYVANAGDSRAILVRRHEIRQLSSEFTPETERQRIQLAFTYPELLAGEFT
 RLEFPRRLKGDLDGQKVLFRDHMRGWSYKRVEKSDLKYPLIHGQGRQARLLGTLAVSRGLGDHQLRVLD
 TDIQLKPFLLSIPQVTVLDVHQLAVQEEDVVVMTDGLWDVLSNEQVALLVRSFLTGNQKDDPHRFSELA
 KMLIHNTQGKDNAGATGEGQVSYDDVSVFVIPLHSQAQEGSGH

TRTRPLE – GFP Tag – V

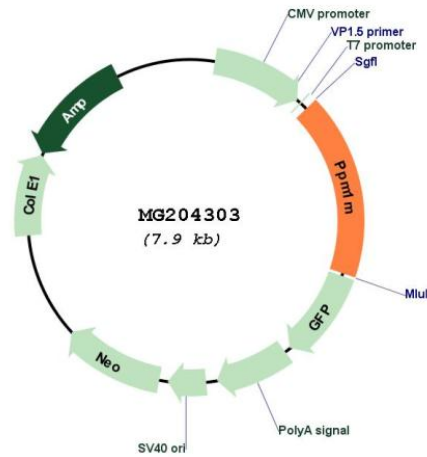
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026447

ORF Size: 1386 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:	<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_026447.4</u> , <u>NP_080723.3</u>
RefSeq Size:	1844 bp
RefSeq ORF:	1389 bp
Locus ID:	67905
Cytogenetics:	9 F1