

Product datasheet for **MR204303**

Ppm1m (NM_026447) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1m (NM_026447) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppm1m
Synonyms:	2810423O19Rik; AW610647; C77250; PP2Ceta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR204303 representing NM_026447
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGCGCGGCTGGTTCGCGCGCGCTTCTACCGGGGTCCACTTCCAGAGCCGCGCCAGCCGGG
 CGCGCTCCAGCCCGGTGCCCTATCACCGCCCGCTTTCTACGCGCTCCGGCTCCAGCCGGGCGCCAC
 TGACGCTCGCGCCGCCGATGCCCGCGGTGCGCAGCCAGCACGGGCGCACACTGCCTTGAAC
 GCAGGCTACGAGAGTTATCAATGCAGAAAAATCTGAATTCAACGAAGACCAGGCTGCTTGCAGGAGC
 TATGCATCCGGCGATGTGAGTTGGGATCGAAGAACATCAAGAGTGGCTGACGGTGTGCCAGAGGAGTT
 CCTGACGGGCTCACTACTGGGCACTGTTTGGTGGCATGGTGGCCCTGCTGCAGCTATCTTGGCTGCCAAC
 ACCCTGCACTCTGCCTTCGCCGCGAGCTGGAGGCTGTGGTTGAAGGCATGATAGCCCTCAGCCCCCA
 TGCACCTCAGTGGCCGCTGTGTCTGCCAGTACCCCAAGTTCGTGGAGAAAAGGGGATCCAGGCAGA
 AGACTTGGTGTATCGGGCTCTGGAGAACGCTTCCAGGAATGTGATGATGTGATTGGGAGAGAGCTGGAG
 GCCTCAGGACAGGTGGTGGCTGTACAGCCCTGGTGGCGGTGTTCTGCAAGGGAAGCTGTATGTGCCA
 ATGCTGGGGACAGCAGGGCCATCTTGGTGGGAGACATGAGATACGGCAGCTGAGTTCTGAGTTCACCC
 AGAAACAGAGCGGCAGCGGATCCAGCAGCTGGCCTTTACCTACCTGAGCTTCTGGCTGGAGAGTTCACC
 CGACTGGAGTTCACCGCGGCTAAAGGGGATGACTTAGGGCAGAAGGTTTTGTTACGGGATCATCACA
 TGAGAGGCTGGAGCTACAAACGGGTGAAAAAGTCTGATCTCAAGTATCCACTGATTATGGACAGGGTAG
 GCAGGCGCGGTTACTGGAACTGGCTGTCTCTAGAGGGCTGGGCGACCATCAGCTTAGAGTCTGGAC
 ACCGACATCCAGTGAAGCCCTTCTACTCTCCATCCCTCAGGTGACTGTCTGGATGTCCACCAGCTGG
 CAGTGCAGGAGGAGGATGTGGTTGTATGGCACTGATGGGCTCTGGGATGTCTTCAATGAGCAGT
 GGCAGTCTTGTGCGGAGCTTCTCACCGGAAACAAAAGGATGACCCACACAGTTCTCAGAGTTGGCC
 AAAATGCTGATACACAACACTCAAGGAAAGGACAAATGGTCCACCGGAGAGGGGCAGGTATCTACGACG
 ATGTCTCCGTGTTGTGATTCTTTGCACAGCCAGGCCAAGAAGGCAGTGGCCAC

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR204303 representing NM_026447
 Red=Cloning site Green=Tags(s)

MSAGWFRFRFLPGGPLPEPRPAGPRSSPVYHRPRFLRGSSSPGATDASRRPDARPVRSARGRTLAWN
 AGYAEVINAEEKSEFNEDQAACGKLCIRRCFEGIEHQEWLTVCPPEFLTGHWALFDGHGGPAAAIALAN
 TLHSCLRRQLEAVVEGMIAPQPPMHLSGRCVCPSPQFVEEKGIQAEDLVIGALENAFQECDDVIGRELE
 ASGQVGGCTALVAVFLQKLYVANAGDSRAILVRRHEIRQLSSEFTPETERQRIQLAFTYPELLAGEFT
 RLEFPRRLKGGDLGQKVLFRDHMRGWSYKRVEKSDLKYPLIHQGRQARLLGTLAVSRGLGDHQLRVLD
 TDIQLKPFLLSIPQVTVLDVHQLAVQEEDVVVMTDGLWDVL SNEQVALLVRSFLTGNQKDDPHRFSELA
 KMLIHNTQGKDNAGATGEGQVSYDDVSFVIPLHSQAQEGSGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9090_b04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



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:

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_026447.4](#), [NP_080723.3](#)

RefSeq Size: 1844 bp

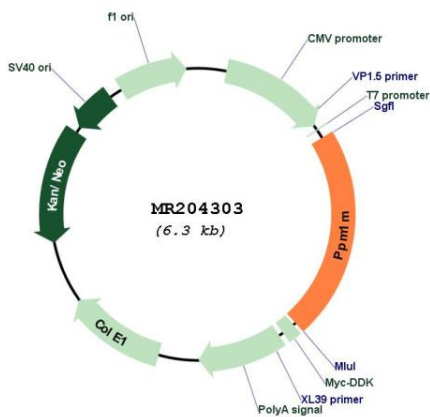
RefSeq ORF: 1389 bp

Locus ID: 67905

Cytogenetics: 9 F1

MW: 51.2 kDa

Product images:



Circular map for MR204303