

Product datasheet for MR216336

Ppm1m (NM_198931) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1m (NM_198931) 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)
ORF Nucleotide Sequence:	>MR216336 representing NM_198931 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGTCCCACCTCGCACCTCACTTAGGGTTTGGCCTATGCTCTGTGGGATAAGGGTTATCAATGCAG
AAAAATCTGAATCAACGAAGACCAGGCTGCTTGCAGGAAAGCTATGCATCCGGCGATGTGAGTTTGGGAT
CGAAGAACATCAAGAGTGGCTGACGGTGTGCCAGAGGAGTTCTGACGGGTCACTACTGGGCACTGTTT
GATGGGCATGGTGGCCCTGCTGCAGCTATCTTGGCTGCCAACCCCTGCACCTCTTGCCTTCGCCGCGCAG
TGGAGGCTGTGGTTGAAGGCATGATAGCCCTCAGCCCCCATGCACCTCAGTGGCCGCTGTGTCTGCC
CAGTGACCCCACTTCGTTGGAGGAAAAGGGGATCCAGGCAGAAGACTTGGTGATCGGGGCTCTGGAGAAC
GCCTTCCAGGAATGTGATGATGTGATTGGGAGAGAGCTGGAGGCCCTCAGGACAGGTGGTGGCTGTACAG
CCCTGGTGGCGGTGTTCCCTGCAAGGGAAGCTGTATGTGGCCAATGCTGGGGACAGCAGGGCCATCTTGGT
GCGGAGACATGAGATACGGCAGCTGAGTTCTGAGTTCACCCAGAAACAGAGCGGCAGCGGATCCAGCAG
CTGGCCTTTACCTACCCTGAGCTTCTGGCTGGAGAGTTCACCCGACTGGAGTTCACCGCGGCTAAAGG
GGGATGACTTAGGGCAGAAGTTTTGTTCAAGGATCATCATGAGAGGCTGGAGCTACAAACGGGTGGA
AAAGTCTGATCTCAAGTATCCAATGATTGATGACAGGGTAGGCAGGCGCGGTTACTGGAAACACTGGCT
GTCTCTAGAGGGCTGGGCGACCATCAGCTTAGAGTCTGGACACCGACATCCAGCTGAAGCCCTCCTAC
TCTCCATCCCTCAGGTGACTGTGCTGGATGTCCACCAGCTGGCAGTGCAGGAGGAGGATGTGGTTGTCAT
GGCAACTGATGGGCTCTGGGATGTCTGTCCAATGAGCAGGTGGCACTGCTTGTGCGGAGCTTCTCACC
GGGAACAAAAGGATGACCCACACAGGTTCTCAGAGTTGGCCAAAATGCTGATACACAACACTCAAGGAA
AGGACAAATGGTGCCACCGGAGAGGGCAGGTATCCTACGACGATGTCTCCGTGTTTGTGATTCTTTGCA
CAGCCAGGCCCAAGAAGGCAGTGGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216336 representing NM_198931
 Red=Cloning site Green=Tags(s)

MYVPPRTSLRVWPLCGIRVINA EKSEFNEDQAACGKLCIRRCEFGIEEHQEWL TVCPPEEFLTGHYWALF
 DGHGGPAAAILAANTLHSLRRQLEAVVEGMIAPQPPMHL SGRCVCPSPDPQFVEEKGIQAEDLVIGALEN
 AFQECDDVIGRELEASGQVGGCTALVAVFLQGKLYVANAGDSRAILVRRHEIRQLSSEFTPETERQRIQQ
 LAFTYPELLAGEFTRLEFPRRLKGGDLGQKVLFRDHHMRGWSYKRVEKSDLKYPLIHGQGRQARLLGTLA
 VSRGLGDHQLRVLDTDIQLKPFLLSIPQVTVLDVHQLAVQEEDVVVMATDGLWDVLSNEQVALLVRSFLT
 GNQKDDPHRFSELA KMLIHNTQGKDN GATGEGQVSYDDVSVFVIPLHSQAQEGSGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

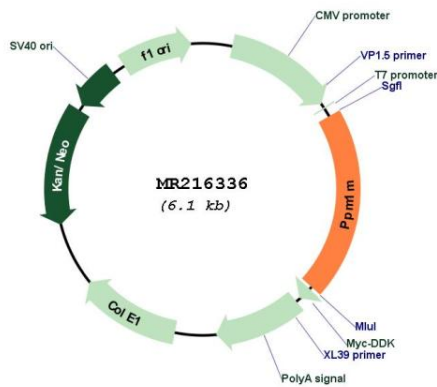
Locus ID: 67905

UniProt ID: [Q8BU27](#)

Cytogenetics: 9 F1

MW: 45.7 kDa

Product images:



Circular map for MR216336