

Product datasheet for **MR216391**

Mpped2 (NM_029837) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpped2 (NM_029837) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mpped2
Synonyms:	239Fb; 2700082O15Rik; AV354767; AW060960
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216391 representing NM_029837 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCACATGGGATTCCTTCTCAAGGCAAAGTTACCATAACGGTGGATGAGTATAGCTCAAACCCACCC
AGGCATTCACACACTACAACATCAACCAGAGCAGATTCAGCCGCCACATGTACATATGGTCGACCCCAT
CCCATATGACACTCCAAAACCAGCGGGCCACACGGTGTGTCTGCATCTCAGACACACTCCAGAACA
GATGGTATCCAGATGCCTTATGGGGACATCCTTCCACACAGGGGATTCACCGAGCTGGGACTGCCCT
CAGAGGTTAAGAAGTTAATGACTGGTTAGGAACTGCCATATGAATATAAAATTGTGATTGCTGGGAA
TCATGAACTGACATTTGATAAGGAATTCATGGCAGACCTCGTTAAACAGGACTACTACCGTTCCCTTCT
GTGTCCAAATTGAAACCAGAGGACTTTGACAATGTTTCAGTCCCTCCTGACAAACAGTATTTACTTGCAAG
ATTCAGAGGTAACCGTGAAGGATTCAGGATATACGGTGCACCCTGGACCCCGTGGTTAATGGATGGGG
CTTTAACCTACCCAGAGGCCAGTCTCTGCTGGACAAATGGAACCTAATCCCTGAGGGCATCGACATACTC
ATGACACACGGACCTCCTCTAGGTTTTCGAGACTGGGTTCCAAAGGAACTTCAAAGGGTGGGCTGCGTGG
AGCTCTTAAACACAGTCCAGAGGCGCATTCGGCCCAAGCTCCATGTGTTCCGGTGGGATTCACGAAGGTA
CGGCATCATGACCGAGGTTACACCACCTACATCAATGCCTCAACCTGTACAGTCAGCTTTCAACCGACC
AACCTCCAATCATATTTGACCTTCCAAACCCACAGGGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216391 representing NM_029837
 Red=Cloning site Green=Tags(s)

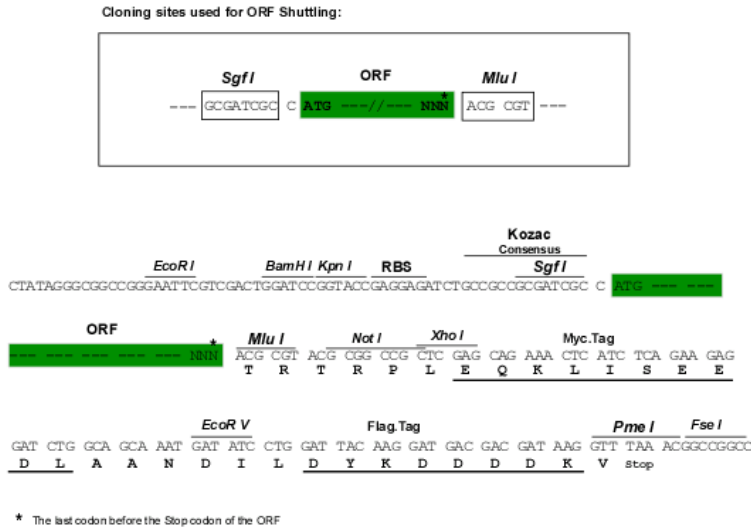
MAHGIPSQGKVTITVDEYSSNPTQAFTHYNINQSRFQPPHVMVDPIPYDTPKPAHGTRFVCISDTHSRT
 DGIQMPYGDILLHTGDFTELGLPSEVKKFNDWLGNLPEYKIVIAGNHELTFDKEFMADLVKQDYRFPS
 VSKLKPEDFDNVQSLLTNSIYLQDSEVTVKGFRIYGAPWTPWFNGWGFNLPRGQSLLDKWNLIPEGIDIL
 MTHGPPLGFRDWVPKELQRVGCVELLNTVQRRIRPKLHVFGGIHEGYGIMTDGYTTYINASTCTVSFQPT
 NPPIIFDLPNPQGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9062_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029837

ORF Size: 882 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_029837.1](#), [NP_084113.1](#)

RefSeq Size: 2375 bp

RefSeq ORF: 885 bp

Locus ID: 77015

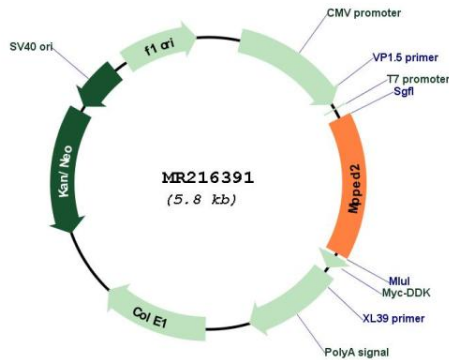
UniProt ID: [Q9CZJ0](#)

Cytogenetics: 2 55.8 cM

MW: 33.4 kDa

Gene Summary: Displays low metallophosphoesterase activity (in vitro). May play a role in the development of the nervous system.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216391