

Product datasheet for **MG216391**

Mpped2 (NM_029837) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpped2 (NM_029837) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mpped2
Synonyms:	239Fb; 2700082O15Rik; AV354767; AW060960
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216391 representing NM_029837 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACATGGGATTCCTTCTCAAGGCAAAGTTACCATAACGGTGGATGAGTATAGCTCAAACCCACCC
AGGCATTCACACACTACAACATCAACCAGAGCAGATTCAGCCGCCACATGTACATATGGTCGACCCCAT
CCCATATGACACTCCAAAACCAGCGGGCCACACGGTGTGTCTGCATCTCAGACACACTCCAGAACA
GATGGTATCCAGATGCCTTATGGGGACATCCTTCTCCACACAGGGGATTCACCGAGCTGGGACTGCCCT
CAGAGGTTAAGAAGTTAATGACTGGTTAGGAAACCTGCCATATGAATATAAAATTGTGATTGCTGGGAA
TCATGAACTGACATTTGATAAGGAATTCATGGCAGACCTCGTTAAACAGGACTACTACCGTTCCCTTCT
GTGTCCAAATTGAAACCAGAGGACTTTGACAATGTTTCAGTCCCTCCTGACAAACAGTATTTACTTGCAAG
ATTCAGAGGTAACCGTGAAGGATTCAGGATATACGGTGCACCCTGGACCCCGTGGTTAATGGATGGGG
CTTTAACCTACCCAGAGGCCAGTCTCTGCTGGACAAATGGAACCTAATCCCTGAGGGCATCGACATACTC
ATGACACACGGACCTCCTCTAGGTTTTCGAGACTGGGTCCAAAGGAACTTCAAAGGGTGGGCTGCGTGG
AGCTCTTAAACACAGTCCAGAGGCGCATTCGGCCCAAGCTCCATGTGTTCCGGTGGGATTCACGAAGGTA
CGGCATCATGACCGAGGTTACACCACCTACATCAATGCCTCAACCTGTACAGTCAGCTTTCAACCGACC
AACCTCCAATCATATTTGACCTTCCAAACCCACAGGGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216391 representing NM_029837
 Red=Cloning site Green=Tags(s)

MAHGIPSQGKVTITVDEYSSNPTQAFTHYNINQSRFQPPHVMVDPIPYDTPKPAKHTRFVCISDTHSRT
 DGIQMPYGDILLHTGDFTELGLPSEVKKFNDWLGNLPEYKIVIAGNHELTFDKEFMADLVKQDYRFPS
 VSKLKPEDFDNVQSLLTNSIYLQDSEVTVKGFRIYGAPWTPWFNGWGFNLPRGQSLLDKWNLIPEGIDIL
 MTHGPPLGFRDWVPKELQRVGCVELLNTVQRRIRPKLHVFGGIHEGYGIMTDGYTTYINASTCTVSFQPT
 NPPIIFDLPNPQGS

TRTRPLE - GFP Tag - V

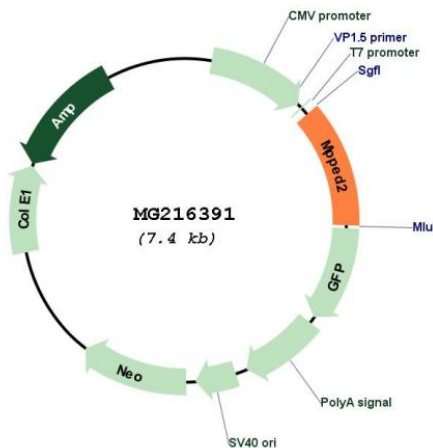
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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