

Product datasheet for **RC227201**

MPPED2 (NM_001145399) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPPED2 (NM_001145399) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MPPED2
Synonyms:	239FB; C11orf8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227201 representing NM_001145399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACATGGGATTCCTTCTCAAGGCAAAGTTACCATAACGGTGGATGAGTACAGCTCAAACCCACCC
AGGCATTCACGCACTACAACATCAACCAGAGCAGATTCAGCCTCCACATGTACATATGGTCGACCCCAT
CCCATATGACACTCCAAAACCAGCGGCCACACGGTGTGTCTGCATCTCAGACACACTCCAGAACA
GATGGTATCCAGATGCCTTATGGGGACATCCTTCTCCACACAGGCGATTCACCGAGCTGGGACTGCCCT
CAGAGGTTAAGAAGTTAATGACTGGTTAGGAAACCTGCCATATGAATATAAAATAGTGATTGCTGGGAA
TCATGAACTGACATTTGATAAGGAATTCATGGCAGACCTTGTTAAACAGGACTACTACCGTTCCCTCT
GTGTCCAAATTGAAACCAGAGGACTTTGACAATGTTCACTCCCTCCTGACAAACAGTATTTACTTACAAG
ATTCGGAGGTAACAGTGAAGGGATTCAGGATATACGGTGCACCTTGACCCCGTGGTTAATGGATGGGG
CTTTAACCTACCCAGAGGTCAGTCTCTGCTGGACAAGTGGAACTCATCCCTGAGGGCATTGACATACTC
ATGACACATGGACCTCCTCTAGGTTTTCGAGACTGGGTTCCAAAGGAGCTTCAAAGAGTGGGCTGTGTGG
AGCTGTTAAACACGGTTCAGAGGCGAGTCCGGCCCAAGCTCCATGTGTTGGTGGAAATCCATGAAGTAA
CCCTGTGAGCATCTCCAAGGCACTGAGGACAAAAATATGTTCTCTGCCTCAAAAACTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC227201 representing NM_001145399
Red=Cloning site Green=Tags(s)

MAHGIPSQGKVTITVDEYSSNPTQAFTHYININQSRFQPPHVMVDPIPYDTPKPAHGTRFVCISDTHSRT
 DGIQMPYGDILLHTGDFTELGLPSEVKKFNDWLGNLPEYKIVIAGNHELTFDKEFMADLVKQDYRFPS
 VSKLKPEDFDNVQSLLTNSIYLQDSEVTVKGFRIYGAPWTPWFNGWGFNLPRGQSLLDKWNLIPEGIDIL
 MTHGPPLGFRDWVPKELQRVGCVELLNTVQRRVRPKLHVFGGIHEVNPVSIKALRTKICSLPSKTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001145399

ORF Size: 831 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_001145399.3](#)

RefSeq ORF: 834 bp

Locus ID: 744

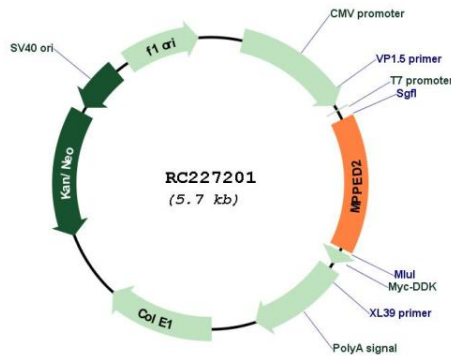
UniProt ID: [Q15777](#)

Cytogenetics: 11p14.1

MW: 31.3 kDa

Gene Summary: This gene likely encodes a metallophosphoesterase. The encoded protein may play a role a brain development. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RC227201