

Product datasheet for **RG206617**

MPPED2 (NM_001584) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPPED2 (NM_001584) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MPPED2
Synonyms:	239FB; C11orf8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206617 representing NM_001584 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACATGGGATTCCTTCTCAAGGCAAAGTTACCATAACGGTGGATGAGTACAGCTCAAACCCACCC
AGGCATTCACGCACTACAACATCAACCAGAGCAGATTCAGCCTCCACATGTACATATGGTCGACCCCAT
CCCATATGACACTCCAAAACCAGCGGGCCACACGGTGTGTCTGCATCTCAGACACACTCCAGAACA
GATGGTATCCAGATGCCTTATGGGGACATCCTTCTCCACACAGGCGATTCACCGAGCTGGGACTGCCCT
CAGAGGTTAAGAAGTTAATGACTGGTTAGGAAACCTGCCATATGAATATAAAATAGTGATTGCTGGGAA
TCATGAACTGACATTTGATAAGGAATTCATGGCAGACCTTGTTAAACAGGACTACTACCGTTCCCTCT
GTGTCCAAATTGAAACCAGAGGACTTTGACAATGTTTCAGTCCCTCCTGACAAACAGTATTTACTTACAAG
ATTCGGAGGTAACAGTGAAGGGATTCAGGATATACGGTGCACCTTGACCCCGTGGTTAATGGATGGGG
CTTTAACCTACCCAGAGGTCAGTCTCTGCTGGACAAGTGGAACTCATCCCTGAGGGCATTGACATACTC
ATGACACATGGACCTCCTCTAGGTTTTCGAGACTGGGTCCAAAGGAGCTTCAAAGAGTGGGCTGTGTGG
AGCTGTTAAACACGGTTCAGAGGCGAGTCCGGCCCAAGCTCCATGTGTTGGTGGAAATCCATGAAGGTTA
TGGCATCATGACCGAGGTTACACAACGTACATCAATGCCTCGACGTGTACAGTCAGCTTTCAACCGACC
AACCTCCAATTATTTGACCTTCCAAACCCACAGGGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206617 representing NM_001584
 Red=Cloning site Green=Tags(s)

MAHGIP SQGKVTITVDEYSSNPTQAFTHYININQSRFQPPHVMVDPIPYDTPKPAHGTRFVCISDTHSRT
 DGIQMPYGDILLHTGDFTELGLPSEVKKFNDWLNLPYEYKIVIAGNHELTFDKEFMADLVKQDYRFPS
 VSKLKPEDFDNVQSLLTNSIYLQDSEVTVKGFRIYGAPWTPWFNGWGFNLPRGQSLLDKWNLIPEGIDIL
 MTHGPPLGFRDWVPKELQRVGCVELLNTVQRRVRPKLHVFGGIHEGYGIMTDGYTTYINASTCTVSFQPT
 NPPIIFDLPNPQGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001584

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001584.3](#)

RefSeq Size: 2272 bp

RefSeq ORF: 885 bp

Locus ID: 744

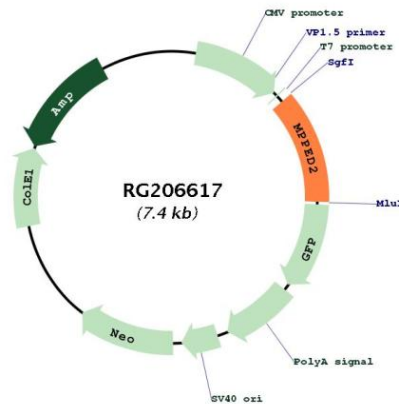
UniProt ID: [Q15777](#)

Cytogenetics: 11p14.1

Domains: Metallophos

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 RG206617