

Product datasheet for **RG220687**

MAP1D (METAP1D) (NM_199227) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MAP1D (METAP1D) (NM_199227) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | MAP1D |
| Synonyms: | MAP 1D; MAP1D; MetAP 1D; Metap1l |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG220687 representing NM_199227 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGCCAGTGGCGTCCACCTGCTCGTCCGAGAGTTCTCATAGAATTTCTTCCACTCA
ATCATATCTACTTACACAAGCAGTCAAGCAGTCAACAAAGAAGAAATTTCTTTTTTCGGAGACAAAGAGA
TATTTACACAGTATAGTTTGGCGGCTGCAGTTTCTCAGCTCATCCGGTTCTAAGCACATAAAGAAG
CCAGACTATGTGACGACAGGCATTGTACCAGACTGGGGAGACAGCATAGAAGTTAAGAATGAAGATCAGA
TTCAAGGGCTTCATCAGGCTTGTGAGCTGGCCCGCCACGTCCTCCTCTTGCTGGGAAGAGTTAAAGGT
TGACATGACAACCTGAAGAGATAGATGCTCTTGTTTCATCGGAAATCATCAGTCATAATGCCTATCCCTCA
CCTCTAGGCTATGGAGTTTTCCAAAATCTGTTGTACCTCTGTAACAACGTCGCTGTGATGGTATTC
CTGACAGTCGACCTCTTCAGGATGGAGATATTCAACATTGATGTCACAGTCTATTACAATGGCTACCA
TGGAGACACCTCTGAAACATTTTGGTGGGCAATGTGGACGAATGTGGTAAAAAGTTAGTGGAGGTTGCC
AGGAGGTGTAGAGATGAAGCAATTGCAGCTTGCAGAGCAGGGGCTCCCTTCTCTGTAATTTGGAACACAA
TCAGCCACATAACTCATCAGAAATGGTTTTCAAGTCTGTCCACATTTTGTGGGACATGGAATAGGATCTTA
CTTTCATGGACATCCAGAAATTTGGCATCATGCAAACGACAGTGTCTACCCATGGAGGAGGCATGGCA
TTCATATAGAGCCAATCATCAGGAGGGATCCCCTGAATTTAAAGTCTGGAGGATGCATGGACTGTGG
TCTCCCTAGACAATCAAAGGTTCGGCGCAGTTTCGAGCACACGGTTCTGATCAGTCGAGGGCGCCGAGAT
CCTGACCAAACCTACCCCATGAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220687 representing NM_199227
 Red=Cloning site Green=Tags(s)

MAAPSGVHLLVRRGSHRIFSSPLNHIYLHKQSSSQRRNFFRQRDISHSIVLPAAVSSAHPVPKHIKK
 PDYVTTGIVPDWGDSIEVKNEQIQGLHQACQLARHVLLLAGKSLKVDMTTEEIDALVHREIISHNAYPS
 PLGYGGFPKSVCTSVNNVLCHGIPDSRPLQDGDIIINIDVTYYYNGYHGDTSETFLVGNVDECGKLLVEVA
 RRCRDEAIAACRAGAPFSVIGNTISHITHQNGFQVCPHFVGHGIGSYFHGHPEIWHHANDSDLPMEEGMA
 FTIEPIITEGSPEFKVLEDAWTVVSLDNQRSQAQFEHTVLITSRGAQILTKLPHEA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199227

ORF Size: 1005 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_199227.3](#)

RefSeq Size: 1550 bp

RefSeq ORF: 1008 bp

Locus ID: 254042

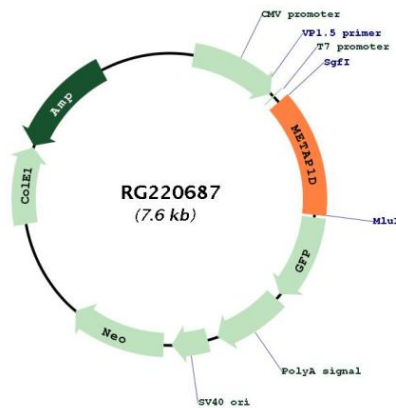
UniProt ID: [Q6UB28](#)

Cytogenetics: 2q31.1

Protein Families: Druggable Genome

Gene Summary: The N-terminal methionine excision pathway is an essential process in which the N-terminal methionine is removed from many proteins, thus facilitating subsequent protein modification. In mitochondria, enzymes that catalyze this reaction are called methionine aminopeptidases (MetAps, or MAPs; EC 3.4.11.18) (Serero et al., 2003 [PubMed 14532271]). [supplied by OMIM, Mar 2008]

Product images:



Circular map for RG220687