

Product datasheet for RC220687

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:	Myc-DDK
Symbol:	MAP1D
Synonyms:	MAP 1D; MAP1D; MetAP 1D; Metap1l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220687 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGCCAGTGGCGTCCACCTGCTCGTCCGACAGAGTTCTCATAGAATTTTCTTCCACTCA
ATCATATCTACTACACAAGCAGTCAAGCAGTCAACAAAGAAGAAATTTCTTTTTTCGGAGACAAAGAGA
TATTTACACAGTATAGTTTGGCGGCTGCAGTTTCTCAGCTCATCCGGTTCTAAGCACATAAAGAAG
CCAGACTATGTGACGACAGGCATTGTACCAGACTGGGGAGACAGCATAGAAGTTAAGAATGAAGATCAGA
TTCAAGGGCTTCATCAGGCTTGTGAGCTGGCCCGCCACGTCCTCCTCTTGCTGGGAAGAGTTAAAGGT
TGACATGACAACCTGAAGAGATAGATGCTCTTGTTTCATCGGAAATCATCAGTCATAATGCCTATCCCTCA
CCTCTAGGCTATGGAGTTTTCCAAAATCTGTTGTACCTCTGTAACAACGTCGCTGTGATGGTATTC
CTGACAGTCGACCTCTTCAGGATGGAGATATTCAACATTGATGTCACAGTCTATTACAATGGCTACCA
TGGAGACACCTCTGAAACATTTTTGGTGGGCAATGTGGACGAATGTGGTAAAAAGTTAGTGGAGGTTGCC
AGGAGGTGTAGAGATGAAGCAATTGCAGCTTGCAGAGCAGGGGCTCCCTTCTGTAAATGGAAACAA
TCAGCCACATAACTCATCAGAAATGGTTTTCAAGTCTGTCCACATTTTGTGGGACATGGAATAGGATCTTA
CTTTCATGGACATCCAGAAATTTGGCATCATGCAAACGACAGTGTCTACCCATGGAGGAGGCATGGCA
TTCATATAGAGCCAATCATCAGGAGGGATCCCTGAATTTAAAGTCTGGAGGATGCATGGACTGTGG
TCTCCCTAGACAATCAAAGGTTCGGCGCAGTTTCGAGCACACGGTTCTGATCAGTCGAGGGCGCCGAGAT
CCTGACCAAACTACCCCATGAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC220687 protein sequence
Red=Cloning site Green=Tags(s)

MAAPSGVHLLVRRGSHRIFSSPLNHIYLHKQSSSQRRNFFRRQRDISHSIVLPAAVSSAHPVPKHIKK
 PDYVTTGIVPDWGDSEIVKNEQIQGLHQACQLARHVLLLAGKSLKVDMTTEEIDALVHREIISHNAYPS
 PLGYGGFPKSVCTSVNNVLCHGIPDSRPLQGGDIINIDVTYYYNGYHGDTSFTLVGNVDECGKLV
 EVARRCRDEAIAACRAGAPFSVIGNTISHITHQNGFQVCPHFVGHGIGSYFHGHPFIWHHANDSDLP
 MEEGMAFTIEPIITEGSPFKVLEDAWTVVSLDNQRSAQFEHTVLTITSRGAQILTKLPHEA

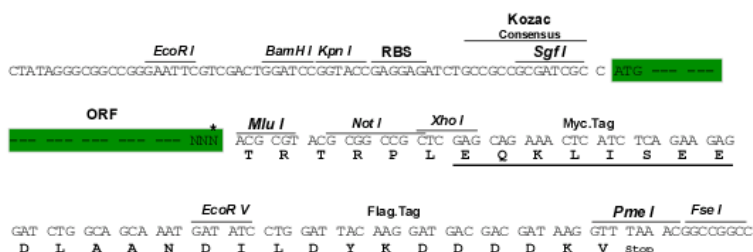
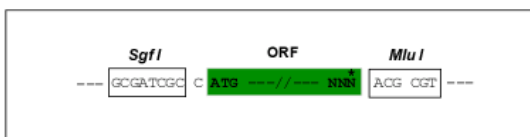
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6610_c04.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_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](#)

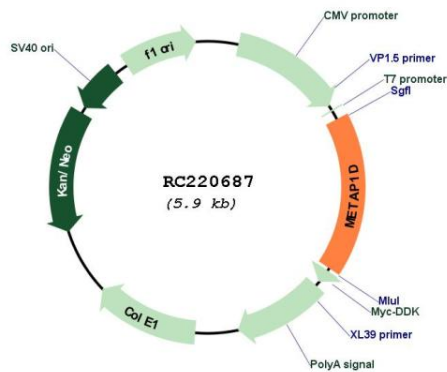
Cytogenetics: 2q31.1

Protein Families: Druggable Genome

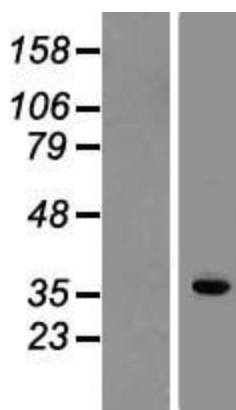
MW: 37.1 kDa

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 RC220687



Western blot validation of overexpression lysate (Cat# [LY404696]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220687 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).