

## Product datasheet for **MR202412**

### Metap1 (BC051534) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Metap1 (BC051534) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Metap1
Synonyms:	2310066F24Rik; 3110033D18Rik; AV117938; MAP 1D; Map1d; MetAP 1D; Metap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202412 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAACTGAAGAGATAGATGCGCTTGTTTCATTGGGAAATCATCAGGCATGACGCATATCCCTCACCTC  
TGGGCTATGGACGCTTTCCAAAATCTGTTTGCACCTCTGTAACAACGTGCTCTGTTCATGGCATTCTGA  
CAGCCGACCTTTCAGGATGGAGATATTATCAACATTGATGTACGGTCTATTACAATGGCTACCATGGA  
GACACCTCTGAAACCTTTCTGGTGGCAATGTGGATGAAAGTGGTAAAAAGTTAGTGGAGGTTGCCAGGA  
GGTGTAGAGATGAAGCGATTGCAGCCTGCAGAGCTGGGGCCCCCTCTCTGTAATTGAAACACAATCAG  
CCGCATAACTCATCAGAATGGTTTGCAAGTCTGTCCACATTTTGTGGGACATGGGATAGGATCATACTTT  
CATGGACACCCAGAAATTTGGCATCATGCAAAATGACAATGATCTGCCCATGGAGGAGGGCATGGCTTTCA  
CCATAGAGCCAATCATCACTGAAGGTTCCCCAGAAATTTAAAGTCCTTGAGGACGCATGGACCGTGGTCTC  
CCTAGACAACCAAGGTCTGCGCAGTTCGAGCACACAGTCCTCATCACGCCAAGGGGAGTGGAGATACTG  
ACCAAAGTCCACAAGAAGCC

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202412 protein sequence  
 Red=Cloning site Green=Tags(s)

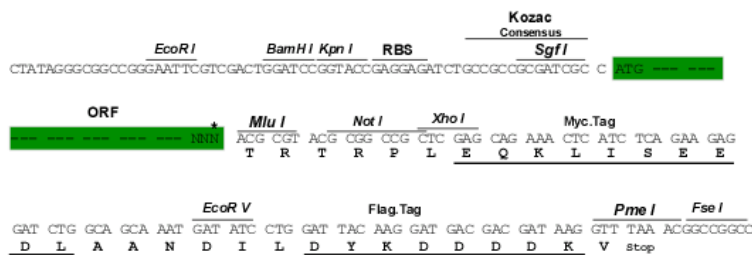
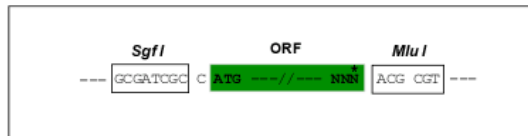
MTTEEIDALVHWEIIRHDAYPSPLGYGRFPKSVCTSVNNVLCHGIPDSRPLQDGDIIINIDVTVYYNGYHG  
 DTSETFLVGNVDESGKKLVEVARRCRDEAIAACRAGAPFSVIGNTISRITHQNGLQVCPHFVGHGIGSYF  
 HGHPEIWHHANDNLPMEEGMAFTIEPIITEGSPFEKVLDAWTVVSLDNQRSAQFEHTVLITPRGVEIL  
 TKLPQEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC051534

**ORF Size:** 651 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:** [BC051534](#), [AAH51534](#)

**RefSeq Size:** 1131 bp

**RefSeq ORF:** 653 bp

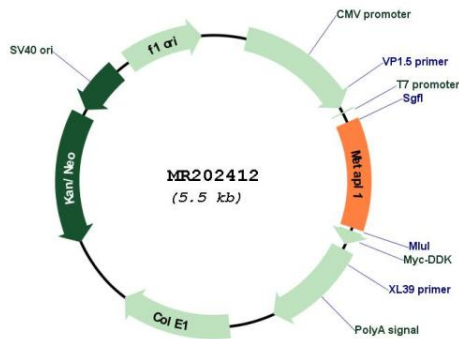
**Locus ID:** 66559

**Cytogenetics:** 2 C2

**MW:** 24.1 kDa

**Gene Summary:** Removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). Requires deformylation of the N(alpha)-formylated initiator methionine before it can be hydrolyzed.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202412