

Product datasheet for **MG202412**

Metap1 (BC051534) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Metap1 (BC051534) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Metap1
Synonyms:	2310066F24Rik; 3110033D18Rik; AV117938; MAP 1D; Map1d; MetAP 1D; Metap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202412 representing BC051534 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAACTGAAGAGATAGATGCGCTTGTTTCATTGGGAAATCATCAGGCATGACGCATATCCCTCACCTC
TGGGCTATGGACGCTTTCCAAAATCTGTTTGCACCTCTGTAACAACGTGCTCTGTCATGGCATTCTGA
CAGCCGACCTCTTCAGGATGGAGATATTATCAACATTGATGTACGGTCTATTACAATGGCTACCATGGA
GACACCTCTGAAACCTTTCTGGTGGCAATGTGGATGAAAGTGGTAAAAAGTTAGTGAGGTTGCCAGGA
GGTGTAGAGATGAAGCGATTGCAGCCTGCAGAGCTGGGGCCCCCTCTCTGTAATTGAAACACAATCAG
CCGCATAACTCATCAGAATGGTTTGCAAGTCTGTCCACATTTTGTGGGACATGGGATAGGATCACTTTT
CATGGACACCCAGAAATTTGGCATCATGCAAAATGACAATGATCTGCCCATGGAGGAGGGCATGGCTTTCA
CCATAGAGCCAATCATCACTGAAGGTTCCCCAGAAATTTAAAGTCCTTGAGGACGCATGGACCGTGGTCTC
CCTAGACAACCAAGGTCTGCGCAGTTCGAGCACACAGTCCTCATCACGCCAAGGGGAGTGGAGATACTG
ACCAAACCTGCCACAAGAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202412 representing BC051534
 Red=Cloning site Green=Tags(s)

MTTEEIDALVHWEIIRHDAYPSPLGYGRFPKSVCTSVNNVLCHGIPDSRPLQDGDIIINIDVTVYYNGYHG
 DTSETFLVGNVDESGKKLVEVARRCRDEAIAACRAGAPFSVIGNTISRITHQNGLQVCPHFVGHGIGSYF
 HGHPEIWHHANDNLPMEEGMAFTIEPIITEGSPFEKVLVEDAWTVVSLDNQRSQAQFEHTVLITPRGVEIL
 TKLPQEA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC051534

ORF Size: 653 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

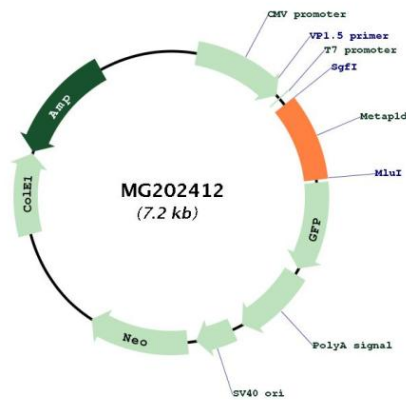
RefSeq ORF: 653 bp

Locus ID: 66559

Cytogenetics: 2 C2

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 MG202412