

## Product datasheet for **MG207657**

### Metap2 (BC002213) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Metap2 (BC002213) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Metap2
Synonyms:	Amp2, Mnpep, p67, p67eIF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207657 representing BC002213  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGGCGTGGAGCAGGCAGCGTCTTCGGGGGACACCTGAATGGCGACCTGGATCCAGACGACAGGG  
 AAGAGGGAACCTCCAGCACGGCCGAGGAAGCCGCAAGAAGAAAAGACGGAAGAAGAAGAGGGCAAAGG  
 GGCTGTGTCAGCAGTGCACAAGAAGCTTGTATAAGAATCCGGAGCCTTGGTGGATGAAGTAGCAAAACAG  
 CTGGAGAGCCAAGCACTGGAGGAGAAGGAGAGAGATGACGACGATGAAGATGGAGATGGTGTGCTGATG  
 GTGCAACTGGGAAGAAGAAGAAAAGAAGAAGAAGAGAGGACCAAAAGTTCAAACAGACCCTCCCTC  
 AGTTCCAATATGTGACCTGTATCCTAATGGTGTATTTCCAAAGGACAAGAGTGTGAATACCCACCACA  
 CAAGATGGGCGGACAGCTGCTTGGAGAACCACAAGTGAGGAAAAAAGGCCCTAGACCAGGCCAGTGAGG  
 AGATCTGGAACGACTCCGAGAAGCTGCGGAGGCACATCGCAAGTTAGGAAATATGTCATGAGCTGGAT  
 CAAGCCTGGGATGACGATGATAGAAATCTGTGAGAAGTTGGAAGACTGTTCCCGAAAGCTAATAAGGAA  
 AATGGGTTAAATGCAGGCCTGGCGTTCCCACTGGGTGTTCTCTCAAACTGTGCTGCCATTACACTC  
 CCAATGCTGGTGACACGACAGTCTTGCAGTATGATGACATCTGTAAGATAGACTTTGGAACACATATAAG  
 TGGTAGAATAATCGATTGTCTTTACTGTTACTTTTAAATCCCAAATATGACATACTATTAACAGCTGTA  
 AAGGATGCCACTAATACTGGAATAAAGTGTGCTGGGATTGACGTTTCGCTCTCGCATGTCGGTGAGGCCA  
 TTCAAGAAGTTATGGAATCCTATGAAGTAGAAATAGATGGGAAGACATACCAAGTAAACCCATACGTAA  
 CTTAAATGGACATTCAATTGGGCCATATAGAATCACGCTGGAAGAACCGTGCCATTGTGAAAGGAGGG  
 GAAGCTACAAGAATGGAGGAAGGAGAGGTGTATGCCATTGAGACCTTTGGGAGCACGGGAAGGGCGTGG  
 TTCATGACGACATGGAATGTTCACTACATGAAAAATTTGATGTGGGCACGTGCCAATAAGGCTTCC  
 AAGAACAACAACTTGTAAATGTCATCAACGAAAACCTCGGTACCCTTGCCTTCTGCCGAAGGTGGCTG  
 GATCGCTTGGGAGAAAGTAAATACTTAATGGCTCTGAAGAATCTGTGTGACTTGGGCATTGTAGATCCAT  
 ACCCACCCTGTGTGACATTAAGGGTCATATACAGCACAGTTTGAACACTATACTGTTGCGTCCAAC  
 CTGTAAGAAGTTGTCAGCAGAGGAGATGACTAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207657 representing BC002213  
 Red=Cloning site Green=Tags(s)

MAGVEQAASFQGHNLNGDLDPDDREEGTSSSTAEAAKKRRRKKKGGKGAWSAVQQELDKESGALVDEVAKQ  
 LESQALEEKERDDDEDGDADGATGKKKKKKKRGPKVQTDPPSVPICDLYPNGVFPKGQCEYPPPT  
 QDGRATAAWRTTSEEKALDQASEEIWNDFREAAEAHRQVRKYVMSWIKPGMTMIEICEKLEDCSRKLIKE  
 NGLNAGLAFPTGCSLNCAAHYTPNAGDITVLQYDDICKIDFGTHISGRIIDCAFVTVFNPKYDILLTAV  
 KDATNTGIKAGIDVRLCDVGEATQEVMSYEVEIDGKTYQVKPIRNLNGHSIGPYRIHAGKTVPIVKGG  
 EATRMEEGEVYAIETFGSTGKGVVHDDMECSHYMKNFDVGHVPIRLPRTKHLLNVINENFGTLAFRRWL  
 DRLGESKYLKMLKNCDLGIVDPYPPLCDIKGSYTAQFEHTILLRPTCKEVVSRGGDY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** BC002213

**ORF Size:** 1434 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:** [BC002213](#), [AAH02213](#)

**RefSeq Size:** 1981 bp

**RefSeq ORF:** 1436 bp

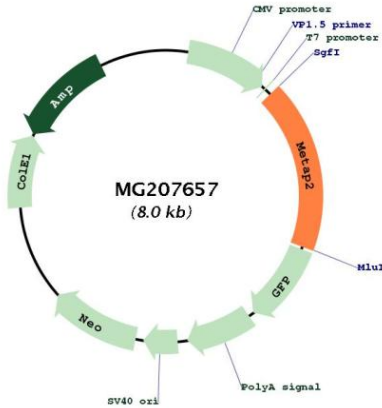
**Locus ID:** 56307

**Cytogenetics:** 10 C2

**Gene Summary:**

Cotranslationally 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).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG207657