

Product datasheet for **MG203036**

Eef1akmt2 (NM_028095) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1akmt2 (NM_028095) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eef1akmt2
Synonyms:	2010208K18Rik; Mettl10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203036 representing NM_028095 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGCGGATGCTGAGGGCCACAGCGGTGCTGTGGTCCCCGCGCAATCTCCAGAGGGCAGTTCGCGG
CGGATGACTTCGTCCTCCGCTCCGCGCTGGGGACACGAGAGCATTGGGATGCTGTTTATGAGAGAACTGAG
AACATTCCAAGAATATGGGGATACAGGAGAAATCTGGTTGGGGAAGAGAGTATGAACCGACTAATACGG
TGGATGCAGAAACACAAGATCCCATTGGATGCCTCAGTGCTTGATATTGGAAGTGGAAATGGTGTTC
TGGTTGAACCTTGAAACATGGTTTCTCTGATATAACTGGGATTGATTATTCTCCTTCTGCAATTAAGCT
TTCTGCAAGTATTTAGAGAAAGAAGGGCTATCTAACATTAACCTGAAGGTAGAAGACTTTTTGAATCCC
TCTACAAAGCTTTCTGGATTTTCATGTTTGTGTTGACAAAGGGACTTACGATGCCATAAGTCTTAATCCTG
ACAATGCAATTGAGAAGAGGAAGCAGTATGTGATGTCTCTCCAGGGTGTGGAAGTAAAGGCTTTTT
TCTAATAACCTCATGTAATTGGACCAAGGCAGAGTTGCTAGATGCATTCAGTGAAGGATTTGAACTTTT
GAAGAGCTGCCAACCCAAGTTCAGCTTTGGAGGTAGATCTGGAACACTGTAGCAGCTTTGGTTTTTC
AAAAAAGGGGACTTCTTGGACAAAATCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203036 representing NM_028095
Red=Cloning site Green=Tags(s)

MNADAEGHSGAVVPAQSPGSSAADDVFPALGTREHWDVYERELRTFQEYGDTEIWFGEESMNRLIR
 WMQKHKIPLDASVLDIGTNGVFLVELVKHGFSDITGIDYSPSAIKLSASILEKEGLSNINLKVEDFLNP
 STKLSGFHVCVDKGTYDAISLNPDAIEKRKQYVMSLSRVLEVKGFFLITSCNWTKAELLDFAFSEGFEFL
 EELPTPKFSFGGRSGNTVAALVFQKRGTSLDKIS

TRTRPLE - GFP Tag - V

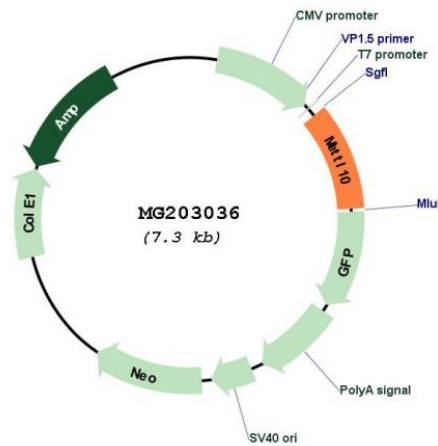
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_028095

ORF Size: 732 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:	<ol style="list-style-type: none">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_028095.1 , NP_082371.1
RefSeq Size:	1097 bp
RefSeq ORF:	735 bp
Locus ID:	72096
UniProt ID:	Q9D853
Cytogenetics:	7 F3
Gene Summary:	Protein-lysine methyltransferase that selectively catalyzes the trimethylation of EEF1A at 'Lys-318'. [UniProtKB/Swiss-Prot Function]