

Product datasheet for **MG219025**

Eef1akmt4-ece2 (NM_177941) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1akmt4-ece2 (NM_177941) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eef1akmt4-ece2
Synonyms:	1810009K13Rik; 6330509A19Rik; 9630025D12Rik; BB127715; Ece-2; Eef1akmt4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG219025 representing NM_177941
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCTCCCGGACTCCGGTGTCCCTCCGGAGTTACCGGAGAAGAAGTCCAGTACCGCCAAGTCC
 AGTACTGGGACCAGCGCTACAAAGACGCGGCCGACTCTGGACCCTACGAGTGGTTCGGAGACTTCGCTTC
 CTTCCGTGCCCTCCTAGAGCCGGAGCTGTGTCTGAGGACCGTATCCTCGTGCTAGGTTGCGGGAACAGT
 GCCTTGAGCTATGAGCTGTTCTTGAGGCTTCCCTAATGTGACCAGTGTGGATTACTCTCCAGTAGTGG
 TGGCAGCCATGCAAGTTCGCTATGCCCATGTACCCAGTCTACGCTGGGAGACCATGGATGTTGAGCACT
 GGACTTCCCTAGTGGGTCTTTGATGTTGTCTCGAGAAGGGTACTCTGGATGCCATGCTGGCTGGGGAG
 CCAGATCCCTGGAATGTATCTTCTGAAGGTGTCCACACTGTGGACCAGGTGCTGAGTGAATGGTGGAGT
 ACAACCGTCTAAGCTTCGGGATGAAGAATCACCAGAGATTACAGTTGAAGGCAGGGCCACCCGGGACTC
 ACTGGAGGTGGGATCCAGAAGAGGACAAGACAAGTGTGGTTACACACACAGTTGGAGCTGGTCTTG
 GCAGGCCCTCATTCTAGTGTGGCTGCCCTCTTTTGGGCTGCCTCGTGGCTCTGTGGGTCCACAGAGACC
 CAGCCCATAGCACCTGCGTCACAGAAGCCTGCATTGAGTAGCTGGAAAAATCCTGGAGTCTCTAGACCG
 TGGGGTGAGCCCTGTCAGGACTTTTACCAGTTCCTGTGGAGGCTGGATTCAAGAAACCCCTCTACCC
 AATGGAGCTTCTCGTGGAAACACCTTCAACAGCCTCTGGGACCAGAACCAGGCCATACTGAAGCACCTAC
 TTGAGAACACCCTTTCAATCCAGCAGTGAAGCTGAGAGGAAGACTCGGAGTTTCTACCTGTCTCGCT
 ACAGTCGGAGCGCATTGAGAAGCTAGGAGCCAAGCCACTTAGAGACCTCATTGACAAGATCGGTGGTTGG
 AACATAACGGGGCCTTGGGACGAGGACAGCTTCATGGATGTGCTCAAGGCAGTCGAGGGACCTACAGAG
 CACCCCTTCTCACCGTCTACGTGCTGATTCTAAGAGTCTAACAGCAATATCATCCAGGTGGA
 CCAGTCTGGGCTTTTTCTGCCCTCTCGAGATTACTACCTAAATAGAAGTCCCAATGAGAAAATTTCTCACT
 GCCTACCTGGACTACATGGTGGAGCTGGGAGTGTGCTGGGTGGACAGCCGACCTCCACTCGGGAGCAGA
 TGCAGCAGGTGCTGGAGCTGGAGATACAGCTGGCTAACATCACTGTGCCCCAGGACCAGCGGCGTGATGA
 GGAGAAGATCTATCACAAGATGAGCATCTCAGAGCTGCAGGCTCTCGCGCCCGCGTGGACTGGCTGGAG
 TTCCTTTCTTTCTGTTATCGCCACTTGAGTTGGGTGATTCTGAGCCTGTGGTGGTGTATGGGACTGAGT
 ATTTACAGCAGGTGTCGGAGCTCATCAACCGTACTGAACCAAGCATCCTGAACAATTACCTAATTTGGAA
 CCTGGTACAGAAGACGACCTCAAGCCTTGACCAGCGCTTTGAGACTGCACAGGAGAACTGCTGGAGACC
 CTCTACGGTACCAAGAAGTCTGCACTCCGAGGTGGCAGACCTGCATCTCCAATACAGATGATGCCCTTG
 GCTTTGCTCTGGGTTCACTCTTTGTGAAAGCCACATTTGACCCGACAAAGCAAGGAAATCGCCGAGGGGAT
 GATCAATGAAATCCGCTCTGCTTTTGGAGAGACCTGGGAGACTTGGTTTGGATGGATGAGAAGACCCGG
 CTGGCAGCCAAGGAGAAAGCAGATGCCATCTATGATATGATTGGTTTCCCTGATTTTCATCTGGAGCCCA
 AAGAGCTGGATGATGTTTATGATGGGTATGAAGTCTCTGAAGATTCTTTTTTCCAAAACATGTTGAATCT
 GTACAACCTTCTCAGCTAAGGTGATGGCTGACCAGCTCCGCAAACCTCCAGCCGAGACCAGTGGAGCATG
 ACACCTCAGACCGTGAACGCTTACTACCTTCCAACCAAGAATGAAATCGTCTTCCCTGCTGGCATCTTGC
 AGGCCCTTCTATGCTCACAACCATCCAAGGCCCTTGAACCTTTGGTGGCATCGGCGTGTGATGGGCCA
 TGAGTTGACACATGCCTTTGATGACCAAGGGCGTGAGTATGACAAAGAAGGGAATCTGCGTCTTTGGTG
 CAGAATGAGTCACTGACGGCTTTCCAGAACCATACAGCCTGCATGGAAGAACAGTACAGCCAGTACCAGG
 TCAATGGAGAGAGGCTCAATGGACTCCAGACCCTGGGGGAAAACATCGCCGATAATGGGGCCTTAAAGC
 TGCTTACAATGCTTACAAGCATGGCTGAGAAAGCATGGGGAGGAGCAGCCGCTGCCTGCTGTGGGGCTC
 ACCAATCACCAGCTTTTCTCGTGGGATTTGCTCAGGTGTGGTGTGCTCGGTCCGCACACCAGAGAGCTCTC
 ACGAGGGGCTGGTACCAGCCCCACAGCCCTGCCGTTTCCGAGTGTGGGCACTCTCTCAACTCCCG
 AGACTTCTTTCGGCACTCGGCTGCCCTGTCGGCTCCCCATGAACCCAGGGCAGCTATGTGAGGTGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >MG219025 representing NM_177941
 Red=Cloning site Green=Tags(s)

MASPRTPVSPPELPEKNFQYRQVQYWDQRYKDAADSGPYEWFDFASFRALLEPELCPEDRILVLGCGNS
 ALSYELFLGGFPNVTSDVYSPVVAAMQVRYAHVPSLRWETMDVRLDFPSGSDVVLKGTLDAMLAGE
 PDPWNVSSEGVHTVDQVLSMVEYKRAKLRDEESPEITVEGRATRDSLEVGFQKRTRQLFGSHTQLELVL
 AGLILVLAALLLGLCLVALWHRDPAHSTCVTEACIRVAGKILESLEDRGVSPCQDFYQFSCGGWIRRNPLP
 NGRSRWNTFNSLWDQNQAILKHLENTTFNSSEAEKTRSFYLSCLQSERIEKLGAKPLRDLIDKIGGW
 NITGPWDEDSFMDVLKAVAGTYRATPFVYVVSADSKSSNSNIQVDQSGFLPSRDYLLNRTANEKVLV
 AYLDYMVELGVLLGGQPTSTREMQQVLELEIQLANITVPQDQRRDEEKIYHKMSISELQALAPAVDWLE
 FLSFLLSPELGDSEPVVYVYGYEYLQQVSELINRTEPSILNNYL IWNLVQKTTSSLDQRFETAQEKLLET
 LYGKKSCPTRWQTCISNTDDALGFALGSLFVKATFDQRSKEIAEGMINEIRSAFEETLGDLVMMDEKTR
 LAAKEKADAIYDMIGFPDFILEPKELDDVYDGYEVSSEDFQNMNLNLYNFSKVMADQLRPPSRDQWSM
 TPQTVNAYYLPKNEIVFPAGILQAPFYAHNHPKALNFGGIGVVMGHELTHAFDDQGREYDKEGNLRPWW
 QNESLTAQNTACMEEQYSQYQVNGERLNLGLQTLGENIADNGGLKAAYNAYKAWLRKHGEEQPLPAVGL
 TNHQLFFVGFVQWCSVRTPESSHEGLVTDPHSPARFRVLGTLNSRDFLRHFGCPVGSMPNPGQLCEVW

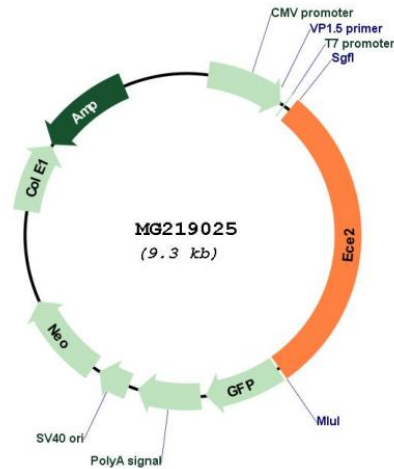
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_177941

ORF Size: 2730 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_177941.1](#), [NP_808810.1](#)

RefSeq Size: 3436 bp

RefSeq ORF: 2733 bp

Locus ID: 110599584

UniProt ID: [P0DPPE0](#)

Cytogenetics: 16 B1

Gene Summary:

This locus represents naturally occurring readthrough transcription between the adjacent genes eukaryotic translation elongation factor 1 alpha lysine specific methyltransferase 4 (GeneID:110599566) and endothelin converting enzyme 2 (GeneID:107522). The readthrough transcript representing this gene encodes a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Jul 2017]