

## Product datasheet for **MC222391**

### **Eef1akmt4-ece2 (NM\_177940) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eef1akmt4-ece2 (NM_177940) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eef1akmt4-ece2
Synonyms:	1810009K13Rik; 6330509A19Rik; 9630025D12Rik; BB127715; Ece-2; Eef1akmt4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222391 representing NM\_177940  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTCTCCCGGACTCCGGTGTCCCTCCGGAGTTACCGGAGAAGAAGTCCAGTACCGCCAAGTCC  
 AGTACTGGGACCAGCGCTACAAAGACGCGCCGACTCTGGACCCTACGAGTGGTTCGGAGACTTCGCTTC  
 CTTCCGTGCCCTCCTAGAGCCGGAGCTGTGTCTGAGGACCGTATCCTCGTGCTAGGTTGCGGGAACAGT  
 GCCTTGAGCTATGAGCTGTTCTTGAGGCTTCCCTAATGTGACCAGTGTGGATTACTCTCCAGTAGTGG  
 TGGCAGCCATGCAAGTTCGCTATGCCCATGTACCCAGTCTACGCTGGGAGACCATGGATGTTGAGCACT  
 GGACTTCCCTAGTGGGTCTTTGATGTTGTCTCGAGAAGGGTACTCTGGATGCCATGCTGGCTGGGGAG  
 CCAGATCCCTGGAATGTATCTTCTGAAGGTGTCCACACTGTGGACCAGGTGCTGAGTGGGTGGGATTCC  
 AGAAGAGGACAAGACAAGTGTGGTTCACACACACAGTTGGAGCTGGTCTTGGCAGGCCCTATTCTAGT  
 GTTGGCTGCCCTCTTTGGGCTGCCTCGTGGCTCTGTGGGTCCACAGAGACCCAGCCCATAGCACCTGC  
 GTCACAGAAGCCTGCATTGAGTAGTGGAAAAATCCTGGAGTCTCTAGACCCTGGGGTGGAGCCCTGTC  
 AGGACTTTTACCAGTTCTCCTGTGGAGGCTGGATTGCAAGAAACCCTCTACCCAATGGACGTTCTCGCTG  
 GAACACCTTCAACAGCCTCTGGGACCAGAACCAGGCCATACTGAAGCACCTACTTGAGAACCACCTTTT  
 AATTCCAGCAGTGAAGCTGAGAGGAAGACTCGGAGTTTCTACCTGTCCTGCCTACAGTCGGAGCGCATTG  
 AGAAGCTAGGAGCCAAGCCACTTAGAGACCTCATTGACAAGATCGGTGGTGGAAACATAACGGGGCCTTG  
 GGACGAGGACAGCTTCAATGGATGTGCTCAAGGCAGTCGCAGGGACCTACAGAGCCACCCCTTCTCACC  
 GTCTACGTGAGTCTGATTCTAAGAGTTCTAACAGCAATATCATCCAGGTGGACCAGTCTGGGCTTTTTT  
 TGCCCTCTCGAGATTACTACCTAAATAGAAGTCCCAATGAGAAAGTTCTCACTGCCTACCTGGACTAC  
 GGTGGAGCTGGGAGTGTGCTGGGTGGACAGCCGACCTCCACTCGGGAGCAGATGCAGCAGGTGCTGGAG  
 CTGGAGATACAGCTGGCTAACATCACTGTGCCCCAGGACCAGCGCGTGTGAGGAGAAGATCTATCACA  
 AGATGAGCATCTCAGAGCTGCAGGCTCTCGCGCCCGCGTGGACTGGCTGGAGTTCCTTTCTTTCTGTT  
 ATCGCCACTTGAGTTGGGTGATTCTGAGCCTGTGGTGGTGTATGGGACTGAGATTTACAGCAGGTGTCG  
 GAGCTCATCAACCGTACTGAACCAAGCATCCTGAACAATTACCTAATTTGGAACCTGGTACAGAAGACGA  
 CCTCAAGCCTTGACCAGCGCTTTGAGACTGCACAGGAGAACTGCTGGAGACCCTCTACGGTACCAAGAA  
 GTCCTGCACTCCGAGGTGGCAGACCTGCATCTCCAATACAGATGATGCCCTTGGCTTTGCTCTGGGTTCA  
 CTCTTTGTGAAAGCCACATTTGACCGACAAAGCAAGGAAATCGCCGAGGGGATGATCAATGAAATCCGCT  
 CTGCTTTTGGAGGAGACCCTGGGAGACTTGGTTTGGATGGATGAGAAGACCCGGCTGGCAGCAAGGAGAA  
 AGCAGATGCCATCTATGATATGATTGGTTTCCCTGATTTATCCTGGAGCCCAAAGAGCTGGATGATGTT  
 TATGATGGGATGAAGTCTCTGAAGATTCTTTTTTCCAAAACATGTTGAATCTGTACAACCTTCTCAGCTA  
 AGGTGATGGGTGACCAGCTCCGCAAACTCCAGCCGAGACCAGTGGAGCATGACACCTCAGACCCTGAA  
 CGCTTACTACCTTCCAACCAAGAATGAAATCGTCTTCCCTGCTGGCATCTTGACAGCCCCCTTCTATGCT  
 CACAACCATCAAAGGCCTTGAAGTGGTGGCATCGGCGTAGTATGGGCCATGAGTTGACACATGCCT  
 TTGATGACCAAGGGCGTGAGTATGACAAAGAAGGAATCTGCGTCTTGGTGGCAGAATGAGTCACTGAC  
 GGCTTTCCAGAACCATACAGCCTGCATGGAAGAACAGTACAGCCAGTACCAGGTCAATGGAGAGAGGCTC  
 AATGGACTCCAGACCCTGGGGGAAAACATCGCCGATAATGGGGGCTTAAGGCTGCTTACAATGCTTACA  
 AAGCATGGCTGAGAAAGCATGGGGAGGAGCAGCCGCTGCCTGCTGTGGGCTCACCAATCACCAGCTTTT  
 CTTCTGTTGGATTGCTCAGGTGTGGTGTGCTGGTCCGCACACCAGAGAGCTCTCACAGGGGCTGGTGACC  
 GACCCCAACAGCCCTGCCGTTTCCGAGTGTGGGCACTCTCTCAACTCCCGAGACTTCTTCCGCACT  
 TCGGCTGCCCTGTGGCTCCCCATGAACCCAGGGCAGCTATGTGAGGTGGT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_177940  
**Insert Size:** 2646 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_177940.1</a> , <a href="#">NP_808809.1</a>
<b>RefSeq Size:</b>	3349 bp
<b>RefSeq ORF:</b>	2646 bp
<b>Locus ID:</b>	110599584
<b>UniProt ID:</b>	<a href="#">P0DPPE0</a>
<b>Cytogenetics:</b>	16 B1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2, also known as 2a-1) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b, also known as 2a-1) has the same N- and C-termini but is shorter compared to isoform a.</p>