

## Product datasheet for **MR218231**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eef1akmt4-ece2 (NM_177940) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>MR218231 representing NM\_177940  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTCTCCCGGACTCCGGTGTCCCTCCGGAGTTACCGGAGAAGAAGTCCAGTACCGCCAAGTCC  
 AGTACTGGGACCAGCGCTACAAAGACGCGGCCGACTCTGGACCCTACGAGTGGTTCGGAGACTTCGCTTC  
 CTTCCGTGCCCTCTAGAGCCGGAGCTGTGTCTGAGGACCGTATCCTCGTGCTAGGTTGCGGGAACAGT  
 GCCTTGAGCTATGAGCTGTTCTTGAGGCTTCCCTAATGTGACCAGTGTGGATTACTCTCCAGTAGTGG  
 TGGCAGCCATGCAAGTTCGCTATGCCCATGTACCCAGTCTACGCTGGGAGACCATGGATGTTGAGCACT  
 GGACTTCCCTAGTGGGTCTTTGATGTTGTCTCGAGAAGGGTACTCTGGATGCCATGCTGGCTGGGGAG  
 CCAGATCCCTGGAATGTATCTTCTGAAGGTGTCCACACTGTGGACCAGGTGCTGAGTGGGTGGGATTCC  
 AGAAGAGGACAAGACAAGTGTGGTTCACACACACAGTTGGAGCTGGTCTTGGCAGGCCCTATTCTAGT  
 GTTGGCTGCCCTCTTTGGGCTGCCTCGTGGCTCTGTGGGTCCACAGAGACCCAGCCCATAGCACCTGC  
 GTCACAGAAGCCTGCATTGAGTAGTGGAAAAATCCTGGAGTCTCTAGACCGTGGGGTGGAGCCCTGTC  
 AGGACTTTTACCAGTTCCTGTGGAGGCTGGATTGGAAGAAACCCTCTACCCAATGGACGTTCTCGCTG  
 GAACACCTTCAACAGCCTCTGGGACCAGAACCAGGCCATACTGAAGCACCTACTTGAGAACCACCTTTT  
 AATTCCAGCAGTGAAGCTGAGAGGAAGACTCGGAGTTTCTACCTGTCCTGCCTACAGTCGGAGCGCATTG  
 AGAAGCTAGGAGCCAAGCCACTTAGAGACCTCATTGACAAGATCGGTGGTGGAAACATAACGGGGCCTTG  
 GGACGAGGACAGCTTCAATGGATGTGCTCAAGGCAGTCGCAGGGACCTACAGAGCCACCCCTTCTCACC  
 GTCTACGTCAGTGTGATTCTAAGAGTTCTAACAGCAATATCATCCAGGTGGACCACTCTGGGCTTTTTT  
 TGCCCTCTCGAGATTACTACCTAAATAGAAGTCCCAATGAGAAAGTTCTCACTGCCTACCTGGACTACAT  
 GGTGGAGCTGGGAGTGTCTGGGTGGACAGCCGACCTCCACTCGGGAGCAGATGCAGCAGGTGCTGGAG  
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 AGATGAGCATCTCAGAGCTGCAGGCTCTCGCGCCCGCCGTGGACTGGCTGGAGTTCCTTTCTTTCTGTT  
 ATCGCCACTTGAGTTGGGTGATTCTGAGCCTGTGGTGGTGTATGGGACTGAGTATTTACAGCAGGTGTCG  
 GAGCTCATCAACCGTACTGAACCAAGCATCCTGAACAATTACCTAATTTGGAACCTGGTACAGAAGACGA  
 CCTCAAGCCTTGACCAGCGCTTTGAGACTGCACAGGAGAACTGCTGGAGACCCTCTACGGTACCAAGAA  
 GTCCTGCACTCCGAGGTGGCAGACCTGCATCTCCAATACAGATGATGCCCTTGGCTTTGCTCTGGGTTCA  
 CTCTTTGTGAAAGCCACATTTGACCGACAAAGCAAGGAAATCGCCGAGGGGATGATCAATGAAATCCGCT  
 CTGCTTTTGAGGAGACCCCTGGGAGACTTGGTTTGGATGGATGAGAAGACCCGGCTGGCAGCCAAGGAGAA  
 AGCAGATGCCATCTATGATATGATTGGTTTCCCTGATTTATCCTGGAGCCCAAAGAGCTGGATGATGTT  
 TATGATGGGTATGAAGTCTCTGAAGATTCTTTTTTCCAAAACATGTTGAATCTGTACAACCTTCTCAGCTA  
 AGGTGATGGGTGACCAGCTCCGCAAACTCCAGCCGAGACCAGTGGAGCATGACACCTCAGACCGTGAA  
 CGCTTACTACCTTCCAACCAAGAATGAAATCGTCTTCCCTGCTGGCATCTTGACAGCCCCCTTCTATGCT  
 CACAACCATCAAAGGCCTTGAAGTGGTGGCATCGGCGTAGTGATGGGCCATGAGTTGACACATGCCT  
 TTGATGACCAAGGGCGTGAGTATGACAAAGAAGGAATCTGCGTCTTGGTGGCAGAATGAGTCACTGAC  
 GGCTTTCCAGAACCATACAGCCTGCATGGAAGAACAGTACAGCCAGTACCAGGTCAATGGAGAGAGGCTC  
 AATGGACTCCAGACCCTGGGGGAAAACATCGCCGATAATGGGGGCTTAAGGCTGCTTACAATGCTTACA  
 AAGCATGGCTGAGAAAGCATGGGGAGGAGCAGCCGCTGCCTGCTGTGGGCTCACCAATCACCAGCTTTT  
 CTTCTGTTGGATTGCTCAGGTGTGGTGTCTGGTCCGCACACCAGAGAGCTCTCACAGGGGCTGGTGACC  
 GACCCCAACAGCCCTGCCGTTTCCGAGTGTGGGCACTCTCTCAACTCCCGAGACTTCTTCCGCACT  
 TCGGCTGCCCTGTGGCTCCCCATGAACCCAGGGCAGCTATGTGAGGTGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR218231 representing NM\_177940  
 Red=Cloning site Green=Tags(s)

MASPRTPVSPPELPEKNFQYRQVQYWDQRYKDAADSGPYEWFDFASFRALLEPELCPEDRILVLGCGNS  
 ALSYELFLGGFPNVTSDYSPVVAAMQVRYAHVPSLRWETMDVRALDFPSGSFDVVLEKGLDAMLAGE  
 PDPWNVSSEGVHTVDQVLSEVGFQKRTRQLFGSHTQLELVLAGLILVLAALLLGLVALWVHRDPAHSTC  
 VTEACIRVAGKILESLDRGVSPCQDFYQFSCGGWIRRNPLPNGRSRWNTFNSLWDQNQAILKHLLENTTF  
 NSSSEAEKRTSFYLSCLQSERIEKLGAKPLRDLIDKIGGWNITGPWDEDSFMDVLKAVAGTYRATPFFT  
 VYVSADSKSSNSNIIQVDQSGFLPSRDYYLNRTANEKVLTAYLDMVELGVLLGGOPTSTREQMQVLE  
 LEIQLANITVPDQRRDEEKIYHKMSISELQALAPAVDWLEFLSFLLSPELGDSEPVVYVGYEYLQQVS  
 ELINRTEPSILNNYLWNLVQKTTSSLDQRFETAQEKLLETLYGTTKKSCTPRWQTCISNTDDALGFALGS  
 LFVKATFDRQSKEIAEGMINEIRSAFEETLGDVWMEKTRLAKEKADAIYDMIGFPDFILEPKELDDV  
 YDGYEVSEDSFFQNMLNLNFSAKVMADQLRKPPSRDQWSMTPQTVNAYYLPKNEIVFPAGILQAPFYA  
 HNHPKALNFGGIGVVMGHELTHAFDDQGREYDKEGNLRPWQNESLTAQNHNTACMEEQSYQVNGERL  
 NGLQTLGENIADNGGLKAAYNAYKAWLRKHGEEQPLPAVGLTNHQLFFVGFAQVWCVRTPESSHEGLVT  
 DPHSPARFRVLGTLNSNRDFLRHFGCPVGSMPMNPGLCEVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

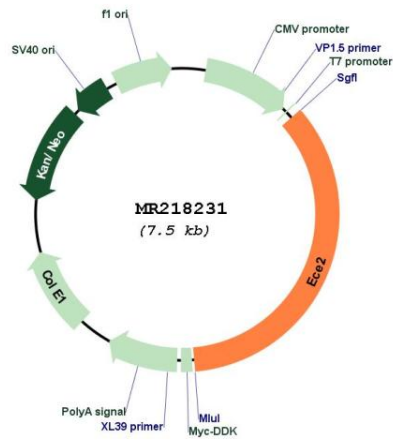
SgfI-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_177940
<b>ORF Size:</b>	2643 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">PODPE0</a>
<b>Cytogenetics:</b>	16 B1
<b>MW:</b>	99.9 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for MR218231