

## Product datasheet for **MC221455**

### **Ece2 (NM\_139293) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ece2 (NM_139293) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ece2
Synonyms:	1810009K13Rik; 6330509A19Rik; 9630025D12Rik; BB127715; Ece-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221455 representing NM\_139293  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAACGTCGCGCTGCACGAGTTGGGTGGCGGAGGCAGTATGGTGGAGTACAAACGTGCTAAGCTTCGGG  
 ATGAAGAATCACCAGAGATTACAGTTGAAGGCAGGGCCACCCGGACTCACTGGAGGTGGGATTCCAGAA  
 GAGGACAAGACAAGTGTGGTTTACACACACAGTTGGAGCTGGTCTTGGCAGGCCCTATTCTAGTGTG  
 GCTGCCCTTTTGGGCTGCCTCGTGGCTCTGTGGTCCACAGAGACCCAGCCATAGCACCTGCGTCA  
 CAGAAGCCTGCATTTCGAGTAGCTGGAATACTCTGGAGTCTTAGACCGTGGGTGAGCCCTGTCAGGA  
 CTTTTACCAGTTCTCTGTGGAGGCTGGATTCGAAGAAACCCCTACCCAATGGACGTTCTCGTGGAAAC  
 ACCTTCAACAGCCTCTGGGACCAGAACCAGGCCATACTGAAGCACCTACTTGAGAACACCACTTTCAATT  
 CCAGCAGTGAAGCTGAGAGGAAGACTCGGAGTTTCTACCTGTCTGCCTACAGTCGGAGCGCATTGAGAA  
 GCTAGGAGCCAAGCCACTTAGAGACCTCATTGACAAGATCGGTGGTTGGAACATAACGGGGCCTTGGGAC  
 GAGGACAGCTTATGGATGTGCTCAAGGACGTCGAGGGACCTACAGAGCCACCCCTTCTTACCGTCT  
 ACGTCAGTGTGATTCTAAGAGTTCTAACAGCAATATCATCCAGGTGGACCAGTCTGGGCTTTTTCTGCC  
 CTCTCGAGATTACTACCTAAATAGAAGTCCAATGAGAAAGTTCTCACTGCCTACCTGGACTACATGGTG  
 GAGCTGGGAGTGTGCTGGGTGGACAGCCGACCTCCACTCGGGAGCAGATGCAGCAGGTGCTGGAGCTGG  
 AGATACAGCTGGCTAACATCACTGTGCCCCAGGACCAGCGCGTGATGAGGAGAAGATCTATCACAAGAT  
 GAGCATCTCAGAGCTGCAGGCTCTCGCGCCCGCGTGGACTGGCTGGAGTTCCTTTCTTTCTTGTATCG  
 CCACTTGAGTTGGGTGATTCTGAGCCTGTGGTGGTGTATGGGACTGAGTATTTACAGCAGGTGTCGGAGC  
 TCATCAACCGTACTGAACCAAGCATCCTGAACAATTACCTAATTTGGAACCTGGTACAGAAGACGACCTC  
 AAGCCTTGACCAGCGCTTTGAGACTGCACAGGAGAACTGCTGGAGACCCTCTACGGTACCAAGAAGTCC  
 TGCACTCCGAGGTGGCAGACCTGCATCTCCAATACAGATGATGCCCTTGGCTTGTCTGGTTCCTCT  
 TTGTGAAAGCCACATTTGACCGACAAGCAAGGAAATCGCCGAGGGGATGATCAATGAAATCCGCTCTGC  
 TTTTGAGGAGACCCTGGGAGACTTGGTTTGGATGGATGAGAAGACCCGGCTGGCAGCCAAGGAGAAAGCA  
 GATGCCATCTATGATATGATTGGTTTCCCTGATTCATCTGGAGCCAAAGAGCTGGATGATGTTTATG  
 ATGGGTATGAAGTCTCTGAAGATTCTTTTTTCCAAAACATGTTGAATCTGTACAACCTCTCAGCTAAGGT  
 GATGGCTGACCAGCTCCGCAACCTCCCAGCCGAGACCAGTGGAGCATGACACCTCAGACCGTGAACGCT  
 TACTACCTTCAACCAAGAAATGAAATCGTCTTCCCTGCTGGCATCTTGCAGGCCCTTCTATGCTCACA  
 ACCATCCAAGGCCTTGAACCTTGGTGGCATCGGCGTAGTGATGGCCATGAGTTGACACATGCCTTTGA  
 TGACCAAGGGCGTGAGTATGACAAGAAGGGAATCTGCGTCTTGGTGGCAGAATGAGTCACTGACGGCT  
 TTCCAGAACCATACAGCCTGCATGGAAGAACAGTACAGCCAGTACCAGGTCAATGGAGAGAGGCTCAATG  
 GACTCCAGACCCTGGGGGAAAACATCGCCGATAATGGGGGCTTAAGGCTGCTTACAATGCTTACAAAGC  
 ATGGCTGAGAAAGCATGGGGAGGAGCAGCCGCTGCCTGCTGTGGGGCTCACCAATCACCAGCTTTTCTTC  
 GTGGGATTTGCTCAGGTGTTGCTCGGTCCGCACACCAGAGAGCTCTCACGAGGGGCTGGTGACCGACC  
 CCCACAGCCCTGCCGTTTCCGAGTGTGGGACTCTCTCCAACCTCCGAGACTTCTTCCGGCACTTCGG  
 CTGCCCTGTGGCTCCCCATGAACCCAGGGCAGCTATGTGAGGTGTGGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_139293  
**Insert Size:** 2292 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_139293.2</a> , <a href="#">NP_647454.2</a>
<b>RefSeq Size:</b>	3129 bp
<b>RefSeq ORF:</b>	2292 bp
<b>Locus ID:</b>	107522
<b>UniProt ID:</b>	<a href="#">B2RQR8</a>
<b>Cytogenetics:</b>	16 B1
<b>Gene Summary:</b>	<p>Converts big endothelin-1 to endothelin-1. Also involved in the processing of various neuroendocrine peptides, including neurotensin, angiotensin I, substance P, proenkephalin-derived peptides, and prodynorphin-derived peptides (By similarity). May play a role in amyloid-beta processing (PubMed:12464614).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and CDS compared to variant 1. The resulting isoform (d) has a shorter and distinct N-terminus compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>