

Product datasheet for **MC221189**

Ece2 (NM_177942) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ece2 (NM_177942) 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: >MC221189 representing NM_177942
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACGTCGCGCTGCACGAGTTGGGTGGCGGAGGCAGTGTGGGATTCCAGAAGAGGACAAGACAACCTGT
 TTGGTTCACACACACAGTTGGAGCTGGTCTTGGCAGGCCCTATTCTAGTGTGGCTGCCCTCTTTTGGG
 CTGCCTCGTGGCTCTGTGGGTCCACAGAGACCCAGCCCATAGCACCTGCGTCACAGAAGCCTGCATTGCA
 GTAGCTGGAAAAATCCTGGAGTCTCTAGACCGTGGGGTGGAGCCCTGTCAGGACTTTTACCAGTTCTCCT
 GTGGAGGCTGGATTGGAAGAAACCCTCTACCCAATGGACGTTCTCGCTGGAACACCTTCAACAGCCTCTG
 GGACCAGAACCAGGCCATACTGAAGCACCTACTTGAGAACACCCTTTCAATTCCAGCAGTGAAGCTGAG
 AGGAAGACTCGGAGTTTCTACCTGTCCTGCCTACAGTCGGAGCGCATTGAGAAGCTAGGAGCCAAGCCAC
 TTAGAGACCTCATTGACAAGATCGGTGGTTGGAACATAACGGGGCCTTGGGACGAGGACAGCTTCATGGA
 TGTGCTCAAGGCAGTCGACAGGACCTACAGAGCCACCCCTTCTTACCCTCTACGTCAGTGTGATTCT
 AAGAGTTCTAACAGCAATATCATCCAGGTGGACCAGTCTGGGCTTTTTCTGCCCTCTCGAGATTACTACC
 TAAATAGAAGTCCAATGAGAAAGTTCTACTGCCTACCTGGACTACATGGTGGAGCTGGGAGTGTGCT
 GGGTGGACAGCCGACCTCCACTCGGGAGCAGATGCAGCAGGTGCTGGAGCTGGAGATACAGCTGGCTAAC
 ATCACTGTGCCCCAGGACCAGCGCGGTGATGAGGAGAAGATCTATCACAAGATGAGCATCTCAGAGCTGC
 AGGCTCTCGCGCCCGCGTGGACTGGCTGGAGTTCTTTCTTTCTTGTATCGCCACTTGAGTTGGGTGA
 TTCTGAGCCTGTGGTGGTGTATGGGACTGAGTATTTACAGCAGGTGTCGGAGCTCATCAACCGTACTGAA
 CCAAGCATCCTGAACAATTACCTAATTTGGAACCTGGTACAGAAGACGACCTCAAGCCTTGACCAGCGCT
 TTGAGACTGCACAGGAGAACTGCTGGAGACCCTCTACGTTACCAAGAAGTCTGCCTCCGAGGTTGGCA
 GACCTGCATCTCCAATACAGATGATGCCCTTGGCTTGGCTCTGGGTTCACTCTTTGTGAAAGCCACATTT
 GACCGACAAAGCAAGGAAATCGCCGAGGGGATGATCAATGAAATCCGCTCTGCTTTTGGAGAGCCCTGG
 GAGACTTGGTTTGGATGGATGAGAAGACCCGGCTGGCAGCCAAGGAGAAAGCAGATGCCATCTATGATAT
 GATTGGTTTCCCTGATTCATCTGGAGCCAAAGAGCTGGATGATGTTTATGATGGGTATGAAGTCTCT
 GAAGATTCTTTTTCCAAAACATGTTGAATCTGTACAACCTCTCAGCTAAGGTGATGGCTGACCAGCTCC
 GCAAACCTCCCAGCCGAGACCAGTGGAGCATGACACCTCAGACCGTGAACGTTACTACCTTCCAACCAA
 GAATGAAATCGTCTTCCCTGCTGGCATCTTGACAGGCCCTTCTATGCTCACAACCATCCAAGGCCTTG
 AACTTTGGTGGCATCGGCGTAGTGATGGGCCATGAGTTGACACATGCCTTTGATGACCAAGGGCGTGAGT
 ATGACAAAAGAAGGAATCTGCGTCTTGGTGGCAGAATGAGTCACTGACGGCTTTCCAGAACCATACAGC
 CTGCATGGAAGAACAGTACAGCCAGTACCAGGTCAATGGAGAGAGGCTCAATGGACTCCAGACCCTGGGG
 GAAAACATCGCCGATAATGGGGGCTTAAGGCTGCTTACAATGCTTACAAGCATGGCTGAGAAAGCATG
 GGGAGGAGCAGCCGCTGCCTGCTGTGGGGCTCACCAATCACCAGCTTTTCTTCGTGGGATTTGCTCAGGT
 GTGGTGTCTGGTCCGCACACCAGAGAGCTCTCACGAGGGGCTGGTGACCGACCCACAGCCCTGCCCGT
 TCCGAGTGTGGGCACTCTCTCAACTCCCAGACTTCTTTCGGCACTTCGGCTGCCCTGTCGGCTCCC
 CCATGAACCCAGGGCAGCTATGTGAGGTGTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177942
Insert Size: 2205 bp
OTI Disclaimer: 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).

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:	<u>NM_177942.1, NP_808811.1</u>
RefSeq Size:	3042 bp
RefSeq ORF:	2205 bp
Locus ID:	107522
Cytogenetics:	16 B1
Gene Summary:	<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 (5, also known as 2-b1) differs in the 5' UTR and CDS compared to variant 1. The resulting isoform (e, also known as 2b-1) 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>