

## Product datasheet for **RN211166**

### **Ece1 (NM\_053596) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ece1 (NM_053596) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ece1
Synonyms:	Ece
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211166 representing NM\_053596  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGTCATCCTACAAGCGGGCCACGCTGGACGAAGAGGATCTGGTGGACTCACTCTCCGAGGGCGATG  
 TGTACCCAATGGCTACAGGTGAACCTCCGCAGCCCCCGAGCGGACAGAGGTGCTGGCAGCTCGGAC  
 CTCGGTGGAGAAGCGGCTGGTGGTTCTGGTGACGCTTCTGGCAGCAGGGCTGGTGGCCTGCCTGGCAGCC  
 CTAGGCATCCAGTACCGGACAAGAACGCCTCCGGTATGTCTGACTGAGGCCTGTGTCTCAGTGACCAGCT  
 CCATCCTAAACTCCATGGACCCACGGTAGACCCCTGCCAGGACTTCTTCAGCTACGCCTGTGGTGGCTG  
 GATCAAGGCCAACCCCGTTCCCGACGGTCACTCACGCTGGGGACCTTCAGCAACCTCTGGGAGCACAAC  
 CAAGCCATCATTAAAGCATCTGCTGGAAAATCCACGGCCAGCGAGCGAGGCAGAGAAAAGGCGCAAG  
 TGTACTACCGTGGTGTATGAACGAAACTAGGATCGAGGAGCTTCGGGCCAAGCCCTGATGGAGCTGAT  
 TGAGAAGCTCGGAGGTTGGAATATCACAGGACCCTGGGCCAAGGACAACCTCCAGGACACGCTGCAGGTG  
 GTCACAGCGCACTACCGACCTACCCTTCTTCTGTCTATGTCAAGTCCGACTCCAAGAACTCCAACA  
 GCAATGTGATCCAGGTGGACCAGTCCGGCCTTGGCTTGCCTCCAGAGACTATTACCTGAACAAGACGGA  
 AAATGAAAAGGTACTGACTGGCTATCTGAACTACATGGTCCAGCTGGGAAAAGTCTGGGTGGTGGGGAC  
 GAGGACTCCATCCGGCCCCAGATGCAGCAGATCCTGGATTTTGAGACCGCTCTGGCCAACATCACCATCC  
 CCCAGGAGAAGCGCCGGGATGAAGAGCTCATCTACCACAAAGTACCGGCTGCTGAGCTGCAGACCTTGGC  
 ACCCGCCATCACTGGTTACCCTTTCTGAATGCCATTTTTTACCCAGTGGAGATCAATGAGTCTGAGCCC  
 ATCGTGGTCTACGACAAGGAATACCTCAGACAAGTCTCCACACTCATCAACAGCACCGACAATGCTGTC  
 TCAACAACACTACATGATGTGGAACCTGGTACGGAAAACAAGCTCCTTTCTCGACCAGCGCTTTCAGGATGC  
 CGATGAGAAGTTTCATGGAGGTTATGTACGGGACAAAGAAGACCTGTCTTCCCGCTGGAAGTTTTGCGTG  
 AGTGACACAGAAAACAACCTGGGCTTGGCCTGGGCCCATGTTTGTGAAAGCAACCTTTGCGGAGGACA  
 GCAAGAACATAGCCAGCGAGATCATCTGGAGATCAAGAAGGCATTTCGAGGAGAGCCTGAGCACCTGAA  
 ATGGATGGATGAAGATACTCGGAGGTCAGCCAAGGAGAAGGCGGACGCCATCTACAACATGATAGGCTAC  
 CCCAACTTCATCATGGACCCCAAGGAGCTGGACAAAGTGTTCATGACTACACAGCAGTTCCTGATCTCT  
 ACTTTGAGAACGCCATGCGATTTTTCAACTTCTCATGGAGGTCACAGCCGACCAGCTCAGGAAAGCCCC  
 CAACAGAGATCAGTGGAGTATGACCCCGCCATGGTGAACGCCTACTACTCGCCACCAAGAACGAGATT  
 GTGTTTCCAGCTGGAATCCTGCAGGCGCCATTTATACCCGCTCTTCGCCAACGCCTTGAACCTTTGGTG  
 GTATCGGGGTCGTTGTGGGCCACGAGCTGACTCATGCTTTCGACGATCAAGGCCGGGAGTATGACAAGGA  
 TGGAAACCTCCGGCCCTGGTGGAAAGAACTCGTCCGGTGGAGGCATTCAAGCAGCAGACCGAGTGCATGGTA  
 CAGCAGTATAACAACACTACAGTGTGAACGGAGAGCCCGTGAATGGGCGGCACACCTCGGGGAGAACATCG  
 CGGACAACGGGGGACTCAAGGCAGCCTACCGGGCGTACCAGAAGTGGGTAAGAAGAACGGAGCTGAGCA  
 GATACTGCCACCCCTGGGTCTCACCAGCAACCAGCTCTTCTTCTGGGATTTCGCACAGGTCTGGTGTCTG  
 GTCCGCACACCAGAGAGCTCCACGAAGGCCTCATCACCAGTCCGCACAGCCCTCCCGCTTCCGGGTCA  
 TCGGCTCACTCTCAACTCCAAGGAGTTCTCAGAACACTTCCGCTGCCCGCTCGGCTCCCCATGAACCC  
 TCGCCACAAATGCGAAGTCTGGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053596  
**Insert Size:** 2265 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_053596.2</a> , <a href="#">NP_446048.2</a>
<b>RefSeq Size:</b>	2808 bp
<b>RefSeq ORF:</b>	2265 bp
<b>Locus ID:</b>	94204
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	catalyzes the conversion of the big endothelin precursor (big ET-1) to the vasoconstrictive peptide endothelin [RGD, Feb 2006]