

## Product datasheet for **SC316832**

### **ECE2 (EEF1AKMT4) (NM\_001100121) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ECE2 (EEF1AKMT4) (NM_001100121) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECE2
Synonyms:	EEF1AKMT4
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001100121, the custom clone sequence may differ by one or more nucleotides

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ATGAACGTCGCGCTGCAGGAGCTGGGAGCTGGCAGCAACATGGTGGAGTACAAACGGGCC
ACGCTTCGGGATGAAGACGCACCCGAGACCCCCGTAGAGGGCGGGGCTCCCCGGACGCC
ATGGAGGTGGGATTCCAGAAGGGGACAAGACAGCTGTTAGGCTCACGCACGCAGCTGGAG
CTGGCTTAGCAGGTGCCTCTCTACTGCTGGCTGCACTGCTTCTGGCTGCCTTTGGCC
CTAGGGTCCAGTACCACAGAGACCCATCCCACAGCACCTGCCTTACAGAGGCCTGCATT
CGAGTGGCTGGAAAAATCCTGGAGTCCCTGGACCGAGGGGTGAGCCCTGTGAGGACTTT
TACCAGTTCTCCTGTGGGGCTGGATTTCGAGGAACCCCTGCCCGATGGGCGTTCTCGC
TGGAACACCTTCAACAGCCTCTGGGACAAAACCAGGCCATACTGAAGCACCTGCTTGAA
AACACCACCTTCAACTCCAGCAGTGAAGCTGAGCAGAAGACACAGCGCTTCTACCTATCT
TGCCTACAGGTGGAGCGCATTGAGGAGCTGGGAGCCCAGCCACTGAGAGACCTCATTGAG
AAGATTGGTGGTGGAAACATTACGGGGCCCTGGGACCAGGACAACCTTATGGAGGTGTG
AAGGCAGTAGCAGGGACCTACAGGGCCACCCATTCTTACCCTACTACATCAGTGCCGAC
TCTAAGAGTTCCAACAGCAATGTTATCCAGGTGGACCAGTCTGGGCTCTTCTGCCCTCT
CGGGATTAATACTAAACAGAACTGCCAATGAGAAAGTGCTCACTGCCTATCTGGATTAC
ATGGAGGAACTGGGGATGCTGCTGGGTGGGCGGCCACCTCCACGAGGGAGCAGATGCAG
CAGGTGCTGGAGTTGGAGATACAGCTGGCCAACATCACAGTGCCCGAGGACCAGCGGCGC
GACGAGGAGAAGATCTACCACAAGATGAGCATTTCGGAGCTGCAGGCTCTGGCGCCCTCC
ATGGACTGGCTTGAGTTCCTGTCTTTCTTGCTGTCACTTGGAGTTGAGTGACTCTGAG
CCTGTGGTGGTGTATGGGATGGATTATTTGCAGCAGGTGTCAGAGCTCATCAACCGCACG
GAACCAAGCATCCTGAACAATTACCTGATCTGGAACCTGGTGAAAAGACAACCTCAAGC
CTGGACCAGCCTTTGAGTCTGCACAAGAGAAGCTGCTGGAGACCCTCTATGGCACTAAG
AAGTCCTGTGTGCCGAGGTGGCAGACCTGCATCTCCAACACGGATGACGCCCTTGCTTT
GCTTTGGGGTCCCTCTTCTGTAAGGCCACGTTTGACCGGCAAAGCAAAGAAATTGCAGAG
GGGATGATCAGCGAAATCCGGACCGCATTGAGGAGGCCCTGGGACAGCTGGTTGGATG
GATGAGAAGACCCGCCAGGCAGCCAAGGAGAAAGCAGATGCCATCTATGATATGATTGGT
TTCCAGACTTTATCCTGGAGCCAAAGAGCTGGATGATGTTTATGACGGGTACGAAATT
TCTGAAGATTCTTCTTCCAAAACATGTTGAATTTGTACAACCTCTCTGCCAAGTTATG
GCTGACCAGCTCCGCAAGCCTCCAGCCGAGACCAGTGGAGCATGACCCCGAGACAGTG
AATGCCTACTACCTTCCAATAAGAATGAGATCGTCTTCCCGCTGGCATCCTGCAGGCC
CCCTTCTATGCCCGCAACCACCCCAAGGCCCTGAACTTCGGTGGCATCGGTGTGGTCATG
GGCCATGAGTTGACGCATGCCTTTGATGACCAAGGGCGCGAGTATGACAAAGAAGGGAAC
CTGCGGCCCTGGTGGCAGAATGAGTCCCTGGCAGCCTTCCGGAACCACACGGCCTGCATG
GAGGAACAGTACAATCAATACCAGGTCAATGGGGAGAGGCTCAACGGCCGCCAGACGCTG
GGGAGAACATTGCTGACAACGGGGGGCTGAAGGCTGCCTACAATGCTTACAAAGCATGG
CTGAGAAAGCATGGGGAGGAGCAGCAACTGCCAGCCGTGGGGCTACCAACCACAGCTC
TTCTTCTGGGATTTGCCAGGTGTGGTCTCGGTCCGCACACCAGAGAGCTCTCACGAG
GGGCTGGTGACCGACCCACAGCCCTGCCCGCTTCCCGGTGCTGGGCACTCTCTCCAAC
TCCCGTGACTTCTGCGGCACTTCGGCTGCCCTGTCGGCTCCCCATGAACCCAGGGCAG
CTGTGTGAGGTGTGG
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_001100121

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_001100121.1</a></u> , <u><a href="#">NP_001093591.1</a></u>
<b>RefSeq Size:</b>	3249 bp
<b>RefSeq ORF:</b>	2298 bp
<b>Locus ID:</b>	9718
<b>UniProt ID:</b>	<u><a href="#">P0DPD6</a></u>
<b>Cytogenetics:</b>	3q27.1
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Gene Summary:</b>	<p>Converts big endothelin-1 to endothelin-1. May also have methyltransferase activity (By similarity). May play a role in amyloid-beta processing (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and CDS compared to variant 1. The resulting isoform (E) has a distinct N-terminus compared to isoform A.</p>