

Product datasheet for **SC316837**

ECE2 (EEF1AKMT4) (NM_001100120) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECE2 (EEF1AKMT4) (NM_001100120) 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_001100120, the custom clone sequence may differ by one or more nucleotides

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ATGAACGTCGCGCTGCAGGAGCTGGGAGCTGGCAGCAACATGGTGGAGTACAAACGGGCC
ACGCTTCGGGATGAAGACGCACCCGAGACCCCGTAGAGGGCGGGGCTCCCCGGACGCC
ATGGAGGTGGGCAAGGGGGCTTCCCCTTCTCACCAGGCCACGCCCTGGCATGACGCT
GGCACACCCAGGAGCTCTGGGCTGTTCTGGAGGGTCACCTGCCCCACCTCCGCTCCATC
TCTGGCCTCTGCTCTAGGACTATGGTGGGATCCAGAAGGGGACAAGACAGCTGTTAGGC
TCACGCACGCAGCTGGAGCTGGTCTTAGCAGGTGCCTCTCTACTGCTGGCTGCACGTCTT
CTGGGCTGCCTTGTGGCCCTAGGGGTCCAGTACCACAGAGACCCATCCCACAGCACCTGC
CTTACAGAGGCCTGCATTGAGTGGCTGGAAAAATCCTGGAGTCCCTGGACCGAGGGGTG
AGCCCCTGTGAGGACTTTTACCAGTTCTCCTGTGGGGGTGGATTGCGAGGAACCCCTG
CCCGATGGGCGTTCGCTGGAACACCTTCAACAGCCTCTGGGACAAAACCAGGCCATA
CTGAAGCACCTGCTTGAAAACACCACCTTCAACTCCAGCAGTGAAGCTGAGCAGAAGACA
CAGCGCTTCTACCTATCTTGCCACAGGTGGAGCGCATTGAGGAGCTGGGAGCCCAGCCA
CTGAGAGACCTCATTGAGAAGATTGGTGGTTGGAACATTACGGGGCCCTGGGACCAGGAC
AACTTTATGGAGGTGTTGAAGGCAGTAGCAGGGACCTACAGGGCCACCCATTCTTACC
GTCTACATCAGTCCGACTCTAAGAGTTCCAACAGCAATGTTATCCAGGTGGACCAGTCT
GGGCTCTTCTGCCCTCTCGGGATTACTACTTAAACAGAAGTCCCAATGAGAAAGTGCTC
ACTGCCTATCTGGATTACATGGAGGAAGTGGGGATGCTGCTGGGTGGGCGGCCACCTCC
ACGAGGGAGCAGATGCAGCAGGTGCTGGAGTTGGAGATACAGCTGGCCAACATCACAGTG
CCCCAGGACCAGCGCGCAGCAGGAGAAGATCTACCACAAGATGAGCATTTCGGAGCTG
CAGGCTCTGGCGCCCTCCATGGACTGGCTTGAGTTCCTGTCTTTCTTGTGTACCATTG
GAGTTGAGTGACTCTGAGCCTGTGGTGTATGGGATGGATTATTTGCAGCAGGTGTCA
GAGCTCATCAACCGCACGGAACCAAGCATCCTGAACAATTACCTGATCTGGAACCTGGTG
CAAAGACAACCTCAAGCCTGGACCGACGCTTTGAGTCTGCACAAGAGAAGCTGTGGAG
ACCCTCTATGGCACTAAGAAGTCTGTGTGCCGAGGTGGCAGACCTGCATCTCCAACAG
GATGACGCCCTTGGCTTTGCTTTGGGGTCCCTCTTCGTGAAGGCCACGTTTGACCGGCAA
AGCAAAGAAATTGCAGAGGGGATGATCAGCGAAATCCGGACCGCATTGAGGAGGCCCTG
GGACAGCTGGTTGGATGGATGAGAAGACCCGCCAGGCAGCCAAGGAGAAAGCAGATGCC
ATCTATGATATGATTGGTTTCCCAGACTTATCCTGGAGCCAAAGAGCTGGATGATGTT
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TTCTCTGCCAAGTTATGGCTGACCAGCTCCGCAAGCCTCCCAGCCGAGACCAGTGGAGC
ATGACCCCCAGACAGTGAATGCCTACTACCTTCCAACTAAGAATGAGATCGTCTCCCC
GCTGGCATCCTGCAGGCCCTTCTATGCCCGCAACCACCCCAAGGCCCTGAACTTCGGT
GGCATCGGTGTGGTCATGGGCCATGAGTTGACGCATGCCTTTGATGACCAAGGGCGCGAG
TATGACAAAGAAGGGAACCTGCGGCCCTGGTGGCAGAATGAGTCCCTGGCAGCCTCCGG
AACCACACGGCCTGCATGGAGGAACAGTACAATCAATACCAGGTCAATGGGGAGAGGCTC
AACGGCCGCCAGACGCTGGGGGAGAACATTGCTGACAACGGGGGGCTGAAGGCTGCCTAC
AATGCTTACAAAGCATGGCTGAGAAAGCATGGGGAGGAGCAGCAACTGCCAGCCGTGGGG
CTACCAACCACAGCTCTTCTTCGTGGGATTTGCCAGGTGTGGTGTGCTCGGTCCGCACA
CCAGAGAGCTCTCACGAGGGGCTGGTGACCGACCCCCACAGCCCTGCCCGCTCCGCGTG
CTGGGCACTCTCCAACCTCCCGTACTTCTGCGGCACTTCGGCTGCCCTGTGCGCTCC
CCCATGAACCCAGGGCAGCTGTGTGAGGTGTGG

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Restriction Sites: Please inquire

ACCN: NM_001100120

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).

OTI Annotation:	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.
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_001100120.1</u> , <u>NP_001093590.1</u>
RefSeq Size:	3387 bp
RefSeq ORF:	2436 bp
Locus ID:	9718
UniProt ID:	<u>P0DPD6</u>
Cytogenetics:	3q27.1
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<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 (4) differs in the 5' UTR and CDS compared to variant 1. The resulting isoform (D) has a distinct N-terminus compared to isoform A.</p>