

## Product datasheet for **SC305434**

### ECE2 (EEF1AKMT4) (NM\_032331) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ECE2 (EEF1AKMT4) (NM_032331) Human Untagged Clone
Tag:	Tag Free
Symbol:	EEF1AKMT4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032331, the custom clone sequence may differ by one or more nucleotides ATGGCCTCTCCAGGGCAGGTAGGGCGCCTCCGGAGTTACCGGAGCGGAACTGCGGGTAC CGCGAAGTCGAGTACTGGGATCAGCGCTACCAAGGCGCAGCCGATTCTGCCCTACGAT TGGTTCGGGGACTTCTCCTCCTCCGTGCCCTCCTAGAGCCGGAGCTGCGGCCGAGGAC CGTATCCTTGCTAGGTTGCGGGAACAGTGCCCTGAGCTACGAGCTGTTCTCGGAGGC TTCCCTAATGTGACCAGTGTGGACTACTCATCAGTCGTGGTGGCTGCCATGCAGGCTCGC CATGCCCATGTGCCGAGCTGCGCTGGGAGACCATGGATGTGCGGAAGCTGGACTTCCC AGTGCTTCTTTTGTGATGTGGTGTGCGAGAAGGGCACGCTGGATGCCCTGCTGGCTGGGAA CGAGATCCCTGGACCGTGTCTCTGAAGGTGTCCACACTGTGGACCAGGTGTTGAGTGAG GTGAGCCCGCTGCTTGTCCCTGGAGCCGGTTTATCTCAATGACTTCTGTGCCCCAC TTTCGGACCAGACTATGCCAAGCCTATTATGGCTGGTCCCTGAGGCATGCTACCTAT GGCAGCGGTTTCCACTTCCATCTCTACCTCATGCACAAGGGCGGGAAGCTCAGTGTGGCC CAGCTGGCTCTGGGGGCCAAATCCTCTCACCCCCAGACCTCCACCTCACCTTGCTTC CTTCAGGACTCAGATCATGAGGACTTCTTAGTGCCATTCAGCTCTGA
Restriction Sites:	Please inquire
ACCN:	NM_032331
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).



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**Reconstitution Method:**

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:** [NM\\_032331.2](#), [NP\\_115707.1](#)

**RefSeq Size:** 1052 bp

**RefSeq ORF:** 768 bp

**Locus ID:** 110599564

**UniProt ID:** [P0DPD7](#)

**Cytogenetics:** 3q27.1

**Gene Summary:** This gene encodes a member of the lysine-specific methyltransferase (KMT) family. The encoded enzyme catalyzes the methylation of lysine-36 of the eukaryotic translation elongation factor 1 alpha. Methylation by this enzyme may affect endoplasmic reticulum-related processes. [provided by RefSeq, Jul 2017]  
Transcript Variant: This variant (3) differs in the 3' UTR and CDS compared to variant 1. The resulting isoform (C) has a distinct C-terminus compared to isoform A. Isoform C lacks the zinc-binding site and peptidase domain of canonical endothelin-converting enzymes and like