

## Product datasheet for **SC318357**

### **ECE2 (EEF1AKMT4) (NM\_014693) Human Untagged Clone**

#### **Product data:**

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Product Type:             | Expression Plasmids                               |
| Product Name:             | ECE2 (EEF1AKMT4) (NM_014693) Human Untagged Clone |
| Tag:                      | Tag Free                                          |
| Symbol:                   | EEF1AKMT4-ECE2                                    |
| Synonyms:                 | ECE-2; ECE2                                       |
| Mammalian Cell Selection: | Neomycin                                          |
| Vector:                   | pCMV6-Entry (PS100001)                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                              |



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Fully Sequenced ORF: >SC318357 representing NM\_014693.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC  
ATGGCCTCTCCAGGGGCAGGTAGGGCGCCTCCGGAGTTACCGGAGCGGAACCTGCGGGTACCGCGAAGTC  
GAGTACTGGGATCAGCGCTACCAAGGCGCAGCCGATTCTGCCCCCTACGATTGGTTGCGGGACTTCTCC  
TCCTTCCGTGCCCTCTAGAGCCGGAGCTGCGGCCCGAGGACCGTATCCTTGTGCTAGGTTGCGGGAAC  
AGTGCCCTGAGCTACGAGCTGTTCTCGGAGGCTTCCCTAATGTGACCAAGTGTGGACTACTCATCAGTC  
GTGGTGGCTGCCATGCAGGCTGCCATGCCATGTGCCGAGCTGCGCTGGGAGACCATGGATGTGCGG  
AAGCTGGACTTCCCCAGTGCTTCTTTTGATGTGGTGTGCGAAGGGCACGCTGGATGCCCTGCTGGCT  
GGGGAACGAGATCCCTGGACCGTGTCTCTGAAGGTGTCCACACTGTGGACCAAGTGTGAGTGAGGTG  
GGATTCCGAAAGGGGACAAGACAGCTGTTAGGCTCACGACGAGCTGGAGCTGGTCTTAGCAGGTGCC  
TCTCTACTGCTGGCTGCACTGCTTCTGGGCTGCCTTGTGGCCCTAGGGGTCCAGTACCACAGAGACCCA  
TCCCACAGCACCTGCCTTACAGAGGCTGCATTGAGTGGTGGAAAAATCCTGGAGTCCCTGGACCGA  
GGGGTGAGCCCCCTGTGAGGACTTTTACCAGTTCTCCTGTGGGGGCTGGATTGCGAGGAACCCCTGCC  
GATGGCGTCTCGCTGGAACACCTTCAACAGCCTCTGGGACCAAAACCAGGCCATACTGAAGCACCTG  
CTTGAAACACCACTTCAACTCCAGCAGTGAAGCTGAGCAGAAGACACAGCGTCTTACCTATCTTGC  
CTACAGGTGGAGCGCATTGAGGAGCTGGGAGCCAGCCACTGAGAGACCTCATTGAGAAGATTGGTGGT  
TGGAACATTACGGGGCCCTGGGACCAGGACAACCTTATGGAGGTGTTGAAGCAGTAGCAGGGACCTAC  
AGGGCCACCCATTCTCACCGTCTACATCAGTGCCGACTCTAAGAGTTCCAACAGCAATGTTATCCAG  
GTGGACCACTCTGGGCTCTTCTGCCCTCTCGGGATTACTACTTAAACAGAACTGCCAATGAGAAAGTG  
CTCACTGCCTATCTGGATTACATGGAGGAACCTGGGGATGCTGCTGGTGGGCGGCCACCTCCACAGG  
GAGCAGATGCAGCAGGTGCTGGAGTTGGAGATACAGCTGGCCAACATCACAGTGCCCCAGGACGCGG  
CGCGACGAGGAGAAGATCTACCACAAGATGAGCATTTGCGAGCTGCAGGCTCTGGCGCCCTCCATGGAC  
TGGCTTGAGTTCTGTCTTCTTGTGTCACCATTTGAGTTGAGTGACTCTGAGCCTGTGGTGGTGTAT  
GGGATGGATTATTTGCAGCAGGTGTCAGAGCTCATCAACCGCACGGAACCAAGCATCCTGAACAATTAC  
CTGATCTGGAACCTGGTGCAAAAGACAACCTCAAGCCTGGACCGACGCTTTGAGTCTGCACAAGAGAAG  
CTGTGGAGACCTCTATGGCACTAAGAAAGTCTGTGTGCGGAGGTGGCAGACCTGCATCTCCAACAG  
GATGACGCCCTTGCTTTGCTTTGGGTCCCTCTTCGTGAAGGCCACGTTTGACCGGCAAGCAAAAGAA  
ATTGCAGAGGGGATGATCAGCGAAATCCGACCGCATTTGAGGAGGCCCTGGGACAGCTGGTTTGGATG  
GATGAGAAGACCCGCCAGGCAGCAAGGAGAAAGCAGATGCCATCTATGATATGATTGGTTTCCAGAC  
TTTATCTCGGAGCCCAAGAGCTGGATGATGTTTATGACGGGTACGAAATTTCTGAAGATTCTTTCTTC  
CAAAACATGTTGAATTTGTACAACCTCTCTGCCAAGGTTATGGTGACCAGCTCCGCAAGCCTCCAGC  
CGAGACCAGTGGAGCATGACCCCCAGACAGTGAATGCCTACTACCTTCCAATAAGAATGAGATCGTC  
TTCCCCGCTGGCATCCTGCAGGCCCTTCTATGCCCGCAACCACCCAAGGCCCTGAATTCGGTGGC  
ATCGGTGTGGTCATGGCCATGAGTTGACGCATGCCTTTGATGACCAAGGGCGCGAGTATGACAAAGAA  
GGGAACCTGCGGCCCTGGTGGCAGAATGAGTCCCTGGCAGCCTTCGGAACCAACACGGCCTGCATGGAG  
GAACAGTACAATCAATACCAGGTCAATGGGGAGAGGCTCAACGGCCGCCAGACGCTGGGGGAGAACATT  
GCTGACAACGGGGGGCTGAAGGCTGCCTACAATGCTTACAAGCATGGCTGAGAAAGCATGGGGAGGAG  
CAGCAACTGCCAGCCGTGGGGCTCACAACCAACAGCTCTTCTTCGTGGGATTGGCCAGGTGTGGTGC  
TCGGTCCGCACACCAGAGAGCTCTACGAGGGGCTGGTGACCGACCCCCACAGCCTGCCCGCTCCGC  
GTGCTGGGCACTCTCTCAACTCCCGTGACTTCTGCGGCACTTCGGCTGCCCTGTGCGCTCCCCATG  
AACCAGGGCAGCTGTGTGAGGTGTGGTAG  
ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

|                    |           |
|--------------------|-----------|
| Restriction Sites: | Sgfl-Mlul |
| ACCN:              | NM_014693 |
| Insert Size:       | 2652 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>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_014693.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq Size:</b>           | 3498 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>            | 2652 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Locus ID:</b>              | 110599583                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>            | <u><a href="#">P0DPD6</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cytogenetics:</b>          | 3q27.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Domains:</b>               | Peptidase_M13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>                    | 99.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Summary:</b>          | <p>This gene represents naturally occurring readthrough transcription between adjacent genes eukaryotic translation elongation factor 1 alpha lysine methyltransferase 4 (GeneID: 110599564) and endothelin converting enzyme 2 (GeneID:9718). The readthrough transcript representing this gene encodes a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Jul 2017]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (A).</p> |