

## Product datasheet for **SC318977**

### **ECE1 (NM\_001113347) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ECE1 (NM_001113347) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECE1
Synonyms:	ECE
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001113347, the custom clone sequence may differ by one or more nucleotides

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ATGCCTCTCCAGGGCCTGGGCCTGCAGCGGAACCCCTTCTCCAAGGGAAGCGGGGCCCC
GGGCTCACGTCTTCCCGCCCCCTCTGCCTCCTCCCTGCAGGTGAACCTCCACAGCCCC
CGGAGTGGCCAGAGGTGCTGGCTGCACGGACCCAGGTGGAGAAGCGGCTGGTGGTGTG
GTGGTACTTCTGGCGCAGGACTGGTGGCTGCTTGGCAGCACTGGGCATCCAGTACCAG
ACAAGATCCCCCTCTGTGTGCTGAGCGAAGCTGTGTCTCAGTGACCAGTCCATCTTG
AGCTCCATGGACCCACAGTGGACCCCTGCCATGACTTCTCAGCTACGCCTGTGGGGGC
TGGATCAAGGCCAACCCAGTCCCTGATGGCCACTCACGCTGGGGGACCTTCAGCAACCTC
TGGGAACAACAACCAAGCAATCATCAAGCACCTCCTCGAAAACCTCCACGGCCAGCGTGAGC
GAGGCAGAGAGAAAGGCGCAAGTATACTACCGTGCCTGCATGAACGAGACCAGGATCGAG
GAGCTCAGGGCCAAACCTCTAATGGAGTTGATTGAGAGGCTCGGGGGCTGGAACATCACA
GGTCCCTGGGCCAAGGACAACCTCCAGGACACCCTGCAGGTGGTACCAGCCCACTACCGC
ACCTCACCTTCTCTCTGTCTATGTCTCAGTGCCGATTCCAAGAATCCAACAGCAACGTG
ATCCAGGTGGACCAGTCTGGCCTGGGCTTGCCCTCGAGAGACTATTACCTGAACAAAACCT
GAAAACGAGAAGGTGCTGACCGGATATCTGAACTACATGGTCCAGCTGGGGAAGCTGCTG
GGCGGGGGGACGAGGAGCCATCCGGCCCCAGATGCAGCAGATCTTGGACTTTGAGACG
GCACTGGCCAACATCACCATCCCACAGGAGAAGCGCCGTGATGAGGAGCTCATCTACCAC
AAAGTGACGGCAGCCGAGCTGCAGACCTTGGCACCCGCCATCAACTGGTTGCCTTTTCTC
AACACCATCTTCTACCCCGTGGAGATCAATGAATCCGAGCCTATTGTGGTCTATGACAAG
GAATACCTTGAGCAGATCTCCACTCTCATCAACACCACCGACAGATGCCTGCTCAACAAC
TACATGATCTGGAACCTGGTGGGAAAACAAGCTCCTTCTTACCAGCGCTTTTCAGGAC
GCCGATGAGAAGTTCATGGAAGTCATGTACGGGACCAAGAAGACCTGTCTTCTCGCTGG
AAGTTTTGCGTGAGTGACACAGAAAACAACCTGGGCTTTGCGTTGGGCCCATGTTTGTG
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AAGGCATTTGAGGAAAGCCTGAGCACCTGAAGTGGATGGATGAGGAAACCCGAAAATCA
GCCAAGGAAAAGGCCGATGCCATCTACAACATGATAGGATACCCCAACTCATCATGGAT
CCCAAGGAGCTGGACAAAGTGTAAATGACTACACTGCAGTTCAGACCTCTACTTTGAA
AATGCCATGCGGTTTTTCAACTTCTCATGGAGGGTCACTGCCGATCAGCTCAGGAAAGCC
CCCAACAGAGATCAGTGGAGCATGACCCCGCCATGGTGAACGCCTACTACTCGCCACC
AAGAATGAGATTGTGTTCCGGCCGGGATCCTGCAGGCACCATTTACACACGCTCCTCA
CCCAAGGCCTTAAACTTTGGTGGCATAGGTGTCGTGCGTGGGCCATGAGCTGACTCATGCT
TTTGATGATCAAGGACGGGAGTATGACAAGGACGGGAACCTCCGGCCATGGTGGAAAGAAC
TCATCCGTGGAGGCCCTCAAGCGTCAGACCGAGTGCATGGTAGAGCAGTACAGCAACTAC
AGCGTGAACGGGGAGCCGGTGAACGGGCGGCACACCCTGGGGGAGAACATCGCCGACAAC
GGGGGTCTCAAGGCGGCCTATCGGGCTTACCAGAACTGGGTGAAGAAGAACGGGGCTGAG
CACTCGCTCCCCACCCTGGGCCTACCAATAACCAGCTTCTTCTTCTGGGCTTTGCACAG
GTCTGGTGTCCGTCACACCTGAGAGCTCCCACGAAGGCCTCATACCGATCCCCAC
AGCCCCCTCGCTTCCGGTTCATCGGCTCCCTCTCCAATTCCAAGGAGTCTCAGAACAC
TTCCGCTGCCACCTGGCTCACCCATGAACCCGCCTACAAGTGCGAAGTCTGG

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001113347

**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_001113347.1</a></u> , <u><a href="#">NP_001106818.1</a></u>
<b>RefSeq Size:</b>	5259 bp
<b>RefSeq ORF:</b>	2277 bp
<b>Locus ID:</b>	1889
<b>UniProt ID:</b>	<u><a href="#">P42892</a></u>
<b>Cytogenetics:</b>	1p36.12
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Gene Summary:</b>	<p>The protein encoded by this gene is involved in proteolytic processing of endothelin precursors to biologically active peptides. Mutations in this gene are associated with Hirschsprung disease, cardiac defects and autonomic dysfunction. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding region, compared to variant 1, resulting in a shorter protein (isoform 3 also known as isoform a) that has a distinct N-terminus, compared to isoform 1.</p>