

Product datasheet for **SC318976**

ECE1 (NM_001113348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECE1 (NM_001113348) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECE1
Synonyms:	ECE
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001113348, the custom clone sequence may differ by one or more nucleotides

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ATGATGTCGACGTACAAGCGGGCCACGCTGGACGAGGAGGACCTGGTGGACTCGCTCTCC
GAGGGCGACGCATACCCCAACGGCCTGCAGGTGAACTTCCACAGCCCCGGAGTGGCCAG
AGGTGCTGGGCTGCACGGACCCAGGTGGAGAAGCGGCTGGTGGTGTGGTGGTACTTCTG
GCGGCAGGACTGGTGGCCTGCTTGGCAGCACTGGGCATCCAGTACCAGACAAGATCCCCC
TCTGTGTGCCTGAGCGAAGCTTGTGTCTCAGTGACCAGTCCATCTTGAGCTCCATGGAC
CCACAGTGGACCCTGCCATGACTTCTTCAGCTACGCCTGTGGGGGCTGGATCAAGGCC
AACCCAGTCCCTGATGGCCACTCACGCTGGGGACCTTACGCAACCTCTGGGAACACAAC
CAAGCAATCATCAAGCACCTCCTCGAAAACCTCCACGGCCAGCGTGAGCGAGGCAGAGAGA
AAGGCGCAAGTATACTACCGTGCCTGATGAACGAGACCAGGATCGAGGAGCTCAGGGCC
AAACCTCTAATGGAGTTGATTGAGAGGCTCGGGGGCTGGAACATCACAGGTCCCTGGGCC
AAGGACAACCTCCAGGACACCCTGCAGGTGGTACCGCCCACTACCGCACCTCACCTTC
TTCTCTGTCTATGTCAGTGCCGATTCCAAGAACTCCAACAGCAACGTGATCCAGGTGGAC
CAGTCTGGCCTGGGCTTGCCTCGAGAGACTATTACCTGAACAAAACCTGAAAACGAGAAG
GTGCTGACCGGATATCTGAACTACATGGTCCAGCTGGGGAAGCTGCTGGGCGGGGGAC
GAGGAGGCCATCCGGCCCCAGATGCAGCAGATCTTGGACTTTGAGACGGCACTGGCCAAC
ATCACCATCCCACAGGAGAAGCGCCGTGATGAGGAGCTCATCTACCACAAAGTGACGGCA
GCCGAGCTGCAGACCTTGGCACCCGCCATCAACTGGTTGCCTTTTCTCAACACCATCTTC
TACCCCGTGGAGATCAATGAATCCGAGCCTATTGTGGTCTATGACAAGGAATACCTTGAG
CAGATCTCCACTCTCATCAACACCACCGACAGATGCCTGCTCAACAACTACATGATCTGG
AACCTGGTGCGGAAAACAAGCTCCTTCCCTTGACCAGCGCTTTGAGGACGCGGATGAGAAG
TTGATGGAAGTCATGTACGGGACCAAGAAGACCTGTCTTCTCGCTGGAAGTTTTGCGTG
AGTGACACAGAAAACAACCTGGGCTTTGCGTTGGGCCCCATGTTTGTCAAAGCAACCTTC
GCCGAGGACAGCAAGAGCATAGCCACCGAGATCATCCTGGAGATTAAGAAGGCATTTGAG
GAAAGCCTGAGCACCCCTGAAGTGGATGGATGAGGAAACCCGAAAATCAGCCAAGGAAAAG
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TTTTTCAACTTCTCATGGAGGGTCACTGCCGATCAGCTCAGGAAAGCCCCAACAGAGAT
CAGTGGAGCATGACCCCGCCATGGTGAACGCCTACTACTGCCCAACAAGATGAGATT
GTGTTTCCGGCCGGGATCCTGCAGGCACCATTCTACACAGCTCCTCACCCAAGGCCTTA
AACTTTGGTGGCATAGGTGTCGTGCGTGGCCATGAGCTGACTCATGCTTTTGATGATCAA
GGACGGGAGTATGACAAGGACGGGAACCTCCGGCCATGGTGGAAAGAACTCATCCGTGGAG
GCCTTCAAGCGTCAGACCGAGTGCATGGTAGAGCAGTACAGCAACTACAGCGTGAACGGG
GAGCCGGTGAACGGGCGGCACACCCTGGGGGAGAACATCGCCGACAACGGGGGTCTCAAG
GCGGCCTATCGGGCTTACCAGAACTGGGTGAAGAAGAACGGGGCTGAGCACTCGTCCCC
ACCCTGGGCCTACCAATAACCAGCTCTTCTTCTGGGCTTTGCACAGGTCTGGTGTCTCC
GTCCGCACACCTGAGAGCTCCCACGAAGGCCTCATACCGATCCCCACAGCCCCTCTCGC
TTCCGGGTGATCGGCTCCCTCTCAATTCCAAGGAGTTTCAGAACACTTCCGCTGCCCA
CCTGGCTACCCATGAACCCGCCTCACAAAGTCCGAAGTCTGG

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Restriction Sites: Please inquire

ACCN: NM_001113348

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_001113348.1</u> , <u>NP_001106819.1</u>
RefSeq Size:	5154 bp
RefSeq ORF:	2265 bp
Locus ID:	1889
UniProt ID:	<u>P42892</u>
Cytogenetics:	1p36.12
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<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 (4) differs in the 5' UTR and coding region, compared to variant 1, resulting in a shorter protein (isoform 4 also known as isoform c) that has a distinct N-terminus, compared to isoform 1.</p>