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Product datasheet for SC119260

ECE1 (NM_001397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECE1 (NM_001397) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECE1
Synonyms:	ECE
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001397, the custom clone sequence may differ by one or more nucleotides

ATGCGGGGCGTGTGGCCGCCCCCGGTGTCCGCCCTGCTGTCGGCGCTGGGGATGTCGACGTACAAGCGGG
CCACGCTGGACGAGGAGGACCTGGTGGACTCGCTCTCCGAGGGCGACGCATACCCCAACGGCCTGCAGGT
GAACTTCCACAGCCCCCGGAGTGGCCAGAGGTGCTGGGCTGCACGGACCCAGGTGGAGAAGCGGCTGGTG
GTGTTGGTGGTACTTCTGGCGGCAGGACTGGTGGCCTGCTTGGCAGCACTGGGCATCCAGTACCAGACAA
GATCCCCCTCTGTGTGCCTGAGCGAAGCTTGTGTCTCAGTGACCAGCTCCATCTTGAGCTCCATGGACCC
CACAGTGGACCCCTGCCATGACTTCTTCAGCTACGCCTGTGGGGGCTGGATCAAGGCCAACCCAGTCCCT
GATGGCCACTCACGCTGGGGGACCTTCAGCAACCTCTGGGAACACAACCAAGCAATCATCAAGCACCTCC
TCGAAAACTCCACGGCCAGCGTGAGCGAGGCAGAGAGAAAGGCGCAAGTATACTACCGTGCGTGCATGAA
CGAGACCAGGATCGAGGAGCTCAGGGCCAAACCTCTAATGGAGTTGATTGAGAGGCTCGGGGGCTGGAAC
ATCACAGGTCCCTGGGCCAAGGACAACTTCCAGGACACCCTGCAGGTGGTCACCGCCCACTACCGCACCT
CACCCTTCTTCTCTGTCTATGTCAGTGCCGATTCCAAGAACTCCAACAGCAACGTGATCCAGGTGGACCA
GTCTGGCCTGGGCTTGCCCTCGAGAGACTATTACCTGAACAAAACTGAAAACGAGAAGGTGCTGACCGGA
TATCTGAACTACATGGTCCAGCTGGGGAAGCTGCTGGGCGGCGGGGACGAGGAGGCCATCCGGCCCCAGA
TGCAGCAGATCTTGGACTTTGAGACGGCACTGGCCAACATCACCATCCCACAGGAGAAGCGCCGTGATGA
GGAGCTCATCTACCACAAAGTGACGGCAGCCGAGCTGCAGACCTTGGCACCCGCCATCAACTGGTTGCCT
TTTCTCAACACCATCTTCTACCCCGTGGAGATCAATGAATCCGAGCCTATTGTGGTCTATGACAAGGAAT
ACCTTGAGCAGATCTCCACTCTCATCAACACCACCGACAGATGCCTGCTCAACAACTACATGATCTGGAA
CCTGGTGCGGAAAACAAGCTCCTTCCTTGACCAGCGCTTTCAGGACGCCGATGAGAAGTTCATGGAAGTC
ATGTACGGGACCAAGAAGACCTGTCTTCCTCGCTGGAAGTTTTGCGTGAGTGACACAGAAAACAACCTGG
GCTTTGCGTTGGGCCCCATGTTTGTCAAAGCAACCTTCGCCGAGGACAGCAAGAGCATAGCCACCGAGAT
CATCCTGGAGATTAAGAAGGCATTTGAGGAAAGCCTGAGCACCCTGAAGTGGATGGATGAGGAAACCCGA
AAATCAGCCAAGGAAAAGGCCGATGCCATCTACAACATGATAGGATACCCCAACTTCATCATGGATCCCA
AGGAGCTGGACAAAGTGTTTAATGACTACACTGCAGTTCCAGACCTCTACTTTGAAAATGCCATGCGGTT
TTTCAACTTCTCATGGAGGGTCACTGCCGATCAGCTCAGGAAAGCCCCCAACAGAGATCAGTGGAGCATG
ACCCCGCCCATGGTGAACGCCTACTACTCGCCCACCAAGAATGAGATTGTGTTTCCGGCCGGGATCCTGC
AGGCACCATTCTACACACGCTCCTCACCCAAGGCCTTAAACTTTGGTGGCATAGGTGTCGTCGTGGGCCA
TGAGCTGACTCATGCTTTTGATGATCAAGGACGGGAGTATGACAAGGACGGGAACCTCCGGCCATGGTGG
AAGAACTCATCCGTGGAGGCCTTCAAGCGTCAGACCGAGTGCATGGTAGAGCAGTACAGCAACTACAGCG
TGAACGGGGAGCCGGTGAACGGGCGGCACACCCTGGGGGAGAACATCGCCGACAACGGGGGTCTCAAGGC
GGCCTATCGGGCTTACCAGAACTGGGTGAAGAAGAACGGGGCTGAGCACTCGCTCCCCACCCTGGGCCTC
ACCAATAACCAGCTCTTCTTCCTGGGCTTTGCACAGGTCTGGTGCTCCGTCCGCACACCTGAGAGCTCCC
ACGAAGGCCTCATCACCGATCCCCACAGCCCCTCTCGCTTCCGGGTCATCGGCTCCCTCTCCAATTCCAA
GGAGTTCTCAGAACACTTCCGCTGCCCACCTGGCTCACCCATGAACCCGCCTCACAAGTGCGAAGTCTGG
TAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001397 unedited
CCATTCCCCCGCCCGTTGAAGCAATGGGCGGTAGGCGTGTCCGGTGGGAGGTCTATATAA
GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG
CGAATTCGGCACGAGGGGCGTCTGGGGCACAGCATGCGGGGCGTGTGGCCGCCCCCGGTG
TCCGCCCTGCTGTCGGCGCTGGGGATGTCGACGTACAAGCGGGCCACGCTGGACGAGGAG
GACCTGGTGGACTCGCTCTCCGAGGGCGACGCATACCCCAACGGCCTGCAGGTGAACTTC
CACAGCCCCCGGAGTGGCCAGAGGTGCTGGGCTGCACGGACCCAGGTGGAGAAGCGGCTG
GTGGTGTTGGTGGTACTTCTGGCGGCAGGACTGGTGGCCTGCTTGGCAGCACTGGGCATC
CAGTACCAGACAAGATCCCCCTCTGTGTGCCTGAGCGAAGCTTGTGTCTCAGTGACCAGC
TCCATCTTGAGCTCCATGGACCCCACAGTGGACCCCTGCCATGACTTCTTCAGCTACGCC
TGTGGGGGCTGGATCAAGGCCAACCCAGTCCCTGATGGCCACTCACGCTGGGGGACCTTC
AGCAACCTCTGGGAACACAACCAAGCAATCATCAAGCACCTCCTCGAAAACTCCACGGCC
AGCGTGAGCGAGGCAGAGAGAAAGGCGCANGTATACTACCGTGCGTGCATGAACGAGACC
AGGATCGAGGAGCTCAGGGCCAAACCTCTAATGGAGTTGATTGAGAGGCTCGGNGGCTGG
ACATCACAGGTCCCTGNGCCAAGTACAACTTCCAGGACCCCTGCAGGTGGTCACCGNCCA
CTACCGCACCTCACCCTTNTTCTCTGTCTATGTCAGTGCCGATTCCAAGACTTCACAGCT
ACGTGATCCCAGTGGACCAGTCTGGCCTGGGCTTGCCCTCGAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001397 unedited
NGGAAATTGAGTTCCGTGTATTCCATATGTTTAAAAAATATTTCCCCAAAATATATCTTG
AAAGCATTTGACACAGTGGTATTTGTGGCGTATCTGGCGCTTGTCAGTGTGGGGCCCAGG
CCTGATGAGCCACCAGCCCAGCACCCGAATGCCTGCTGAAGGTGGCGCACACGTGTGCCT
GGGATGTCCGGCTCTTCACAGGGGATCAGACTGCGGGTCACGTTGAGAGCCAACACCATG
GGCTCGGTTCCGGCTGAAAACCCGCCAGTGTGAGGAAGCAGGGCCCCGGGTGGCCAAGCG
GGCTGAGCAATGCCCTGGAGGCTGGATGGGGGTCTCGTCCTCAGCCCCTTCCCCTCCTCC
GTCTTGGCTCTCTCCGCTTCGTCCTTACCAGACTTCGCACTTGTGAGGCGGGTTCATGGG
TGAGCCAGGTGGGCAGCGGAAGTGTTCTGAGAACTCCTTGGAATTGGAGAGGGAGCCGAT
GACCCGGAAGCGAGAGGGGCTGTGGGGATCGGTGATGAGGCCTTCGTGGGAGCTCTCAGG
TGTGCGGACGGAGCACCAGACCTGTGCAAAGCCCAGGAAGAAGAGCTGGTTATTGGTGAG
GCCCAGGGTGGGGAGCGAGTGCTCAGCCCCGTTCTTCTTCACCCAGTTCTGGTAAGCCCG
ATAGGCCGCCTTGAGACCCCCGTTGTCGGCGATGTTCTCCCCCAGGGTGTGCCGCCCGTT
CACCGGCTCCCCGTTCACGCTGTAGTTGCTGTACTGCTCTACCATGCACTCGGTCTGACG
CTTGAANGCCTCCACGGATGAGTTTCTCCACCATGGCCGGGAGTTCCCGTCCNTGTCATA
CTCCCGTCCTTGATCATCAAAGCATGAGTCAGCTCATGGCCCACGACGACACCTATGCCA
C

Restriction Sites: NotI-NotI

ACCN: NM_001397

Insert Size: 2700 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	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_001397.1, NP_001388.1
RefSeq Size:	2409 bp
RefSeq ORF:	2313 bp
Locus ID:	1889
UniProt ID:	P42892
Cytogenetics:	1p36.12
Domains:	Peptidase_M13
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	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] Transcript Variant: This variant (1) encodes the longest protein (isoform 1 also known as isoform b).