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Product datasheet for RC226144

ECE1 (NM_001113347) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECE1 (NM_001113347) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ECE1
Synonyms:	ECE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC226144 representing NM_001113347
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCTCCAGGGCCTGGGCCTGCAGCGGAACCCCTTCCTCCAAGGGAAGCGGGGCCCGGGGCTCACGT
CTTCCCCGCCCCTCCTGCCTCCTTCCCTGCAGGTGAACTTCCACAGCCCCCGGAGTGGCCAGAGGTGCTG
GGCTGCACGGACCCAGGTGGAGAAGCGGCTGGTGGTGTTGGTGGTACTTCTGGCGGCAGGACTGGTGGCC
TGCTTGGCAGCACTGGGCATCCAGTACCAGACAAGATCCCCCTCTGTGTGCCTGAGCGAAGCTTGTGTCT
CAGTGACCAGCTCCATCTTGAGCTCCATGGACCCCACAGTGGACCCCTGCCATGACTTCTTCAGCTACGC
CTGTGGGGGCTGGATCAAGGCCAACCCAGTCCCTGATGGCCACTCACGCTGGGGGACCTTCAGCAACCTC
TGGGAACACAACCAAGCAATCATCAAGCACCTCCTCGAAAACTCCACGGCCAGCGTGAGCGAGGCAGAGA
GAAAGGCGCAAGTATACTACCGTGCGTGCATGAACGAGACCAGGATCGAGGAGCTCAGGGCCAAACCTCT
AATGGAGTTGATTGAGAGGCTCGGGGGCTGGAACATCACAGGTCCCTGGGCCAAGGACAACTTCCAGGAC
ACCCTGCAGGTGGTCACCGCCCACTACCGCACCTCACCCTTCTTCTCTGTCTATGTCAGTGCCGATTCCA
AGAACTCCAACAGCAACGTGATCCAGGTGGACCAGTCTGGCCTGGGCTTGCCCTCGAGAGACTATTACCT
GAACAAAACTGAAAACGAGAAGGTGCTGACCGGATATCTGAACTACATGGTCCAGCTGGGGAAGCTGCTG
GGCGGCGGGGACGAGGAGGCCATCCGGCCCCAGATGCAGCAGATCTTGGACTTTGAGACGGCACTGGCCA
ACATCACCATCCCACAGGAGAAGCGCCGTGATGAGGAGCTCATCTACCACAAAGTGACGGCAGCCGAGCT
GCAGACCTTGGCACCCGCCATCAACTGGTTGCCTTTTCTCAACACCATCTTCTACCCCGTGGAGATCAAT
GAATCCGAGCCTATTGTGGTCTATGACAAGGAATACCTTGAGCAGATCTCCACTCTCATCAACACCACCG
ACAGATGCCTGCTCAACAACTACATGATCTGGAACCTGGTGCGGAAAACAAGCTCCTTCCTTGACCAGCG
CTTTCAGGACGCCGATGAGAAGTTCATGGAAGTCATGTACGGGACCAAGAAGACCTGTCTTCCTCGCTGG
AAGTTTTGCGTGAGTGACACAGAAAACAACCTGGGCTTTGCGTTGGGCCCCATGTTTGTCAAAGCAACCT
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TTCCAGACCTCTACTTTGAAAATGCCATGCGGTTTTTCAACTTCTCATGGAGGGTCACTGCCGATCAGCT
CAGGAAAGCCCCCAACAGAGATCAGTGGAGCATGACCCCGCCCATGGTGAACGCCTACTACTCGCCCACC
AAGAATGAGATTGTGTTTCCGGCCGGGATCCTGCAGGCACCATTCTACACACGCTCCTCACCCAAGGCCT
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GAGTGCATGGTAGAGCAGTACAGCAACTACAGCGTGAACGGGGAGCCGGTGAACGGGCGGCACACCCTGG
GGGAGAACATCGCCGACAACGGGGGTCTCAAGGCGGCCTATCGGGCTTACCAGAACTGGGTGAAGAAGAA
CGGGGCTGAGCACTCGCTCCCCACCCTGGGCCTCACCAATAACCAGCTCTTCTTCCTGGGCTTTGCACAG
GTCTGGTGCTCCGTCCGCACACCTGAGAGCTCCCACGAAGGCCTCATCACCGATCCCCACAGCCCCTCTC
GCTTCCGGGTCATCGGCTCCCTCTCCAATTCCAAGGAGTTCTCAGAACACTTCCGCTGCCCACCTGGCTC
ACCCATGAACCCGCCTCACAAGTGCGAAGTCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

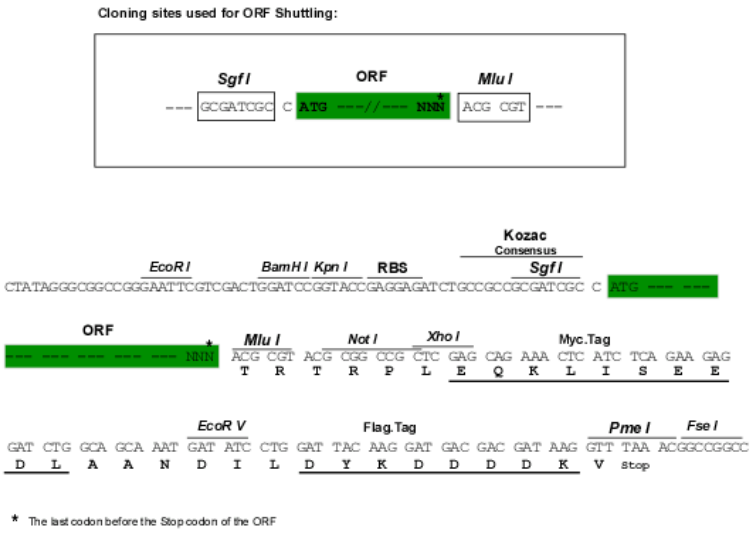
>RC226144 representing NM_001113347
Red=Cloning site Green=Tags(s)

MPLQGLGLQRNPFLQGKRGPGLTSSPPLLPPSLQVNFHSPRSGQRCWAARTQVEKRLVVLVVLLAAGLVA
CLAALGIQYQTRSPSVCLSEACVSVTSSILSSMDPTVDPCHDFFSYACGGWIKANPVPDGHSRWGTFSNL
WEHNQAIIKHLLENSTASVSEAERKAQVYYRACMNETRIEELRAKPLMELIERLGGWNITGPWAKDNFQD
TLQVVTAHYRTSPFFSVYVSADSKNSNSNVIQVDQSGLGLPSRDYYLNKTENEKVLTGYLNYMVQLGKLL
GGGDEEAIRPQMQQILDFETALANITIPQEKRRDEELIYHKVTAAELQTLAPAINWLPFLNTIFYPVEIN
ESEPIVVYDKEYLEQISTLINTTDRCLLNNYMIWNLVRKTSSFLDQRFQDADEKFMEVMYGTKKTCLPRW
KFCVSDTENNLGFALGPMFVKATFAEDSKSIATEIILEIKKAFEESLSTLKWMDEETRKSAKEKADAIYN
MIGYPNFIMDPKELDKVFNDYTAVPDLYFENAMRFFNFSWRVTADQLRKAPNRDQWSMTPPMVNAYYSPT
KNEIVFPAGILQAPFYTRSSPKALNFGGIGVVVGHELTHAFDDQGREYDKDGNLRPWWKNSSVEAFKRQT
ECMVEQYSNYSVNGEPVNGRHTLGENIADNGGLKAAYRAYQNWVKKNGAEHSLPTLGLTNNQLFFLGFAQ
VWCSVRTPESSHEGLITDPHSPSRFRVIGSLSNSKEFSEHFRCPPGSPMNPPHKCEVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001113347

ORF Size: 2274 bp

OTI Disclaimer: 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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001113347.2

RefSeq ORF: 2277 bp

Locus ID: 1889

UniProt ID: P42892

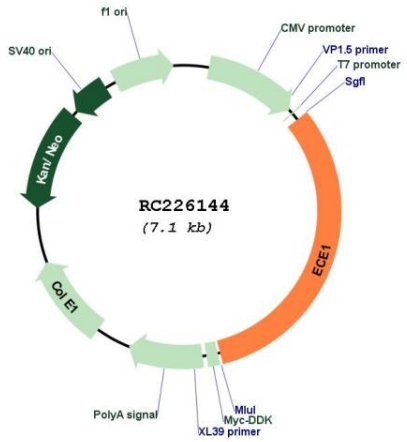
Cytogenetics: 1p36.12

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 85.6 kDa

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]

Product images:



Circular map for RC226144