

Product datasheet for **RG226140**

ECE1 (NM_001113348) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECE1 (NM_001113348) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ECE1
Synonyms:	ECE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226140 representing NM_001113348
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTCGACGTACAAGCGGGCCACGCTGGACGAGGAGACCTGGTGGACTCGCTCTCCGAGGGCGACG
 CATACCCCAACGGCCTGCAGGTGAACCTCCACAGCCCCGGAGTGGCCAGAGGTGCTGGGCTGCACGGAC
 CCAGGTGAGAGAAGCGGCTGGTGGTGTGGTGGTACTTCTGGCGGCAGGACTGGTGGCCTGCTTGGCAGCA
 CTGGGCATCCAGTACCAGACAAGATCCCCCTCTGTGTGCCTGAGCGAAGCTTGTGTCTCAGTGACCAGCT
 CCATCTTGAGCTCCATGGACCCACAGTGGACCCCTGCCATGACTTCTCAGCTACGCTGTGGGGCTG
 GATCAAGGCCAACCCAGTCCCTGATGGCCACTCACGCTGGGGGACCTTCAGCAACCTCTGGGAACACAAC
 CAAGCAATCATCAAGCACCTCCTCGAAACTCCACGGCCAGCGTGAGCGAGGCAGAGAGAAAGGCGCAAG
 TATACTACCGTGGTGCATGAACGAGACCAGGATCGAGGAGCTCAGGGCCAAACCTCTAATGGAGTTGAT
 TGAGAGGCTCGGGGGCTGGAACATCACAGTCCCTGGGCCAAGGACAACCTCCAGGACACCTGCAGGTG
 GTCACCGCCCACTACCGACCTCACCTTCTTCTGTCTATGTCAAGTCCGATTCCAAGAACTCCAACA
 GCAACGTGATCCAGTGGACCACTGCGCTGGGCTTGCCTCGAGAGACTATTACCTGAACAAAACCTGA
 AAACGAGAAGGTGCTGACCGGATATCTGAACTACATGGTCCAGCTGGGGAAGCTGCTGGGCGGGGGAC
 GAGGAGGCCATCCGGCCCGAGATGCAGCAGATCTTGGACTTTGAGACGGCACTGGCCAACATCACCATCC
 CACAGGAGAAGCGCGTGTGATGAGGAGCTCATCTACCACAAAGTGACGGCAGCCGAGCTGCAGACCTTGGC
 ACCCGCCATCACTGGTTGCCTTTTCTCAACACCATCTTCTACCCCGTGGAGATCAATGAATCCGAGCCT
 ATTGTGGTCTATGACAAGGAATACCTTGAGCAGATCTCCACTCTCATCAACACCACCGACAGATGCCTGC
 TCAACAACACTACATGATCTGGAACCTGGTGCAGAAAACAAGCTCCTTCTTGACCAGCGCTTTCAGGACGC
 CGATGAGAAGTTCATGGAAGTCATGTACGGGACCAAGAAGACCTGTCTTCTCGCTGGAAGTTTTGCGTG
 AGTGACACAGAAAACAACCTGGGCTTTCGCTTGGGCCCATGTTTGTCAAAGCAACCTTCGCCGAGGACA
 GCAAGAGCATAGCCACCGAGATCATCTGGAGATTAAGAAGGCATTTGAGGAAAGCCTGAGCACCTGAA
 GTGGATGGATGAGGAAACCCGAAATCAGCCAAGGAAAAGGCCGATGCCATCTACAACATGATAGGATAC
 CCCAACTTCATCATGGATCCCAAGGAGCTGGACAAAGTGTAAATGACTACACTGCAGTTCCAGACCTCT
 ACTTTGAAAATGCCATGCGGTTTTTCAACTTCTCATGGAGGGTCACTGCCGATCAGCTCAGGAAAGCCCC
 CAACAGAGATCAGTGGAGCATGACCCCGCCATGGTGAACGCCTACTACTCGCCACCAAGAATGAGATT
 GTGTTTCCGGCCGGGATCTGCAGGCACCATTCTACACACGCTCCTCACCAAGGCCTTAACTTTGGTG
 GCATAGGTGTCGTGCGTGGCCATGAGCTGACTCATGCTTTTGTGATCAAGGACGGGAGTATGACAAGGA
 CGGAACTCCGGCCATGGTGAAGAACTCATCCGTGGAGGCCTCAAGCGTCAGACCGAGTGCATGGTA
 GAGCAGTACAGCAACTACAGCGTGAACGGGGAGCCGGTGAACGGGCGGCACACCTGGGGGAGAATACG
 CCGACAACGGGGGTCTCAAGGGCCCTATCGGGCTTACCAAGAAGTGGGTGAAGAAGAACGGGGCTGAGCA
 CTCGCTCCCCACCTGGGCTCACCAATAACCAGCTCTTCTTCTGGGCTTTGCACAGGTCTGGTGTCTCC
 GTCCGCACACCTGAGAGCTCCCACGAAGGCCTCATCACCAGTCCCCACAGCCCTCTCGCTTCCGGGTCA
 TCGGCTCCCTCTCAATTCCAAGGAGTTCTCAGAACACTTCCGCTGCCACCTGGCTCACCCATGAACCC
 GCCTCACAAAGTGCGAAGTCTGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226140 representing NM_001113348
Red=Cloning site Green=Tags(s)

```
MMSTYKRATLDEEDLVDSLSEGDAYPNGLQVNFHSPRSGQRCWAARTQVEKRLVVLVLLAAGLVACLAALGIQYQTRSPVCLSEACVSVTSSILSSMDPTVDPCHDFFSYACGGWIKANPVPDGHRSRGTFFSNLWEHNQAIKHLLENSTASVSEAKAQVYYRACMNETRIEELRAKPLMELIERLGGWNITGPWAKDNFQDTLQVVTAHYRTSPFFSVYVSADSKNSNSNVIQVDQSGGLPSRDYYLNKTENEKVL TGYLNYMVQLGKLLGGDEEAIRPQMQLDFETALANITIPQEKRRDEELIYHKVTAELQTLAPAINWLPFLNTIFYPVEINESEPIVVYDKEYLEQISTLINTDRCLLNMYMIWNLVRKTSFSLDQRFQDADEKFMVYGTGKTKCLPRWKFVSDTENNLGFALGPMFVKATFAEDSKSIATEIILEIKKAFEEESLTLKWMDEETRSKAKEKADAIYNMIGYPNFIMDPKELDKVFNNDYAVPDL YFENAMRFFNF SWRVTADQLRKAPNRDQWSMTPPMVNAYSPTKNEIVFPAGILQAPFYTRSSPKALNFGGIGVVVGHETHAFDDQGREYDKDGNLRPWWKNSVVEAFKRQTECMVEQYSNYSVNGEPVNGRHTLGENIADNGGLKAAYRAYQNWWKNGAEHSLPTLGLTNNQLFFLGFAQVWCSVRTPESSHEGLITDPHSPSRFRVIGLSNSKEFSEHFRCPPGSPMNPCHKCEVW
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001113348

ORF Size: 2262 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_001113348.2](#)

RefSeq Size: 5154 bp

RefSeq ORF: 2265 bp

Locus ID: 1889

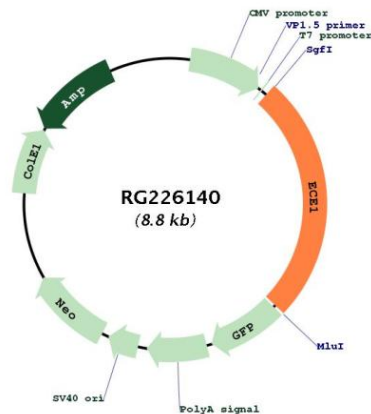
UniProt ID: [P42892](#)

Cytogenetics: 1p36.12

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]

Product images:



Circular map for RG226140