

Product datasheet for RC213303

ECSCR (NM_001077693) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ECSCR (NM_001077693) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ECSCR
Synonyms: ARIA; ECSM2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC213303 representing NM_001077693
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGCACCGCAGGAGCCATGCAGCTGTGCTGGGTGATCCTGGGCTTCTCCTGTTCCGAGGCCACAAC
 CCCAGCCACAATGACCCAGACCTCTAGCTCTCAGGGAGGCCCTGGCGGTCTAAGCTGACCACAGAGCC
 AGTTTCTTCAACCCAGGATACATCCCTCCTCAGAGGCTAACAGGCCAAGCCATCTGTCCAGCACTGGT
 ACCCCAGGCGCAGGTGTCCCAGCAGTGAAGAGACGGAGGCACAAGCAGAGACACATTTCAAAGTTC
 CCCCATTCAACCACCATGAGCCTGAGCATGAGGGAAGATGCGACCATCCTGCCAGCCCCACGTCAGA
 GACTGTGCTCACTGTGGCTGCATTTGGTGTATCAGTTTATTGTCATCCTGGTGGTGTGGTGATCATC
 CTAGTTGGTGTGGTCAGCCTGAGGTTCAAGTGTGGAAGAGCAAGGAGTCTGAAGATCCCCAGAAACCTG
 GGAGTTCAGGGCTGTCTGAAAGCTGCTCCACAGCCAATGGAGAGAAAGACAGCATCACCCCTATCTCCAT
 GAAGAATCAACATGAATAATGGCAAACAAAGTCTCTCAGCAGAGAAGGTTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213303 representing NM_001077693
 Red=Cloning site Green=Tags(s)

MGTAGAMQLCWVILGFLFRGHNSQPTMTQTSSSQGLGGLSLTTEPVSSNPGYIPSSSEANRPSHLSSTG
 TPGAGVPSSGRDGGTSRDTFQTVPPNSTMSLSMREDATILPSPSETVLTVAAFGVISFIVILVVVVII
 LVGVVSLRFKCRKSKESEDPQKPGSSGLSESCSTANGEKDSITLISMKNINMNGKQSLSAEKVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk8024_f06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077693

ORF Size: 615 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_001077693.4](#)

RefSeq Size: 1030 bp

RefSeq ORF: 618 bp

Locus ID: 641700

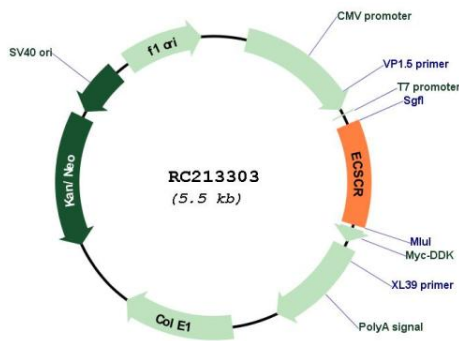
UniProt ID: [Q19T08](#)

Cytogenetics: 5q31.2

MW: 21.1 kDa

Gene Summary: The protein encoded by this gene is primarily found in endothelial cells and blood vessels, where it is involved in cell shape changes and EGF-induced cell migration. It can enhance the activation of vascular endothelial growth factor receptor-2/kinase insert domain receptor and also promote the proteolysis of internalized kinase insert domain receptor. This gene may play a role in angiogenesis-related diseases. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

Product images:



Circular map for RC213303