

Product datasheet for **RG213303**

ECSCR (NM_001077693) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ECSCR (NM_001077693) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ECSCR
Synonyms: ARIA; ECSM2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG213303 representing NM_001077693
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCACCGCAGGAGCCATGCAGCTGTGCTGGGTGATCCTGGGCTTCTCTCTGTTCCGAGGCCACAAC
 CCCAGCCCAATGACCCAGACCTCTAGCTCTCAGGGAGGCCTTGGCGGTCTAAGTCTGACCACAGAGCC
 AGTTTCTTCAACCCAGGATACATCCCTCCTCAGAGGCTAACAGGCCAAGCCATCTGTCCAGCACTGGT
 ACCCCAGGCGCAGGTGTCCCAGCAGTGAAGAGACGGAGGCACAAGCAGAGACACATTTCAAAGTGTTC
 CCCCCAATTCAACCACCATGAGCCTGAGCATGAGGGAAGATGCGACCATCCTGCCAGCCCCACGTCAGA
 GACTGTGCTCACTGTGGCTGCATTTGGTGTATCAGCTTCATTGTTCATCCTGGTGGTTGTGGTGATCATC
 CTAGTTGGTGTGGTCAGCCTGAGGTTCAAGTGTGGAAGCAAGGAGTCTGAAGATCCCCAGAAACCTG
 GGAGTTCAGGGCTGTCTGAAAGCTGCTCCACAGCCAATGGAGAGAAAGACAGCATCACCTTATCTCCAT
 GAAGAACATCAACATGAATAATGGCAAACAAAGTCTCTCAGCAGAGAAGGTTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213303 representing NM_001077693
 Red=Cloning site Green=Tags(s)

MGTAGAMQLCWILGFLFRGHNSQPTMTQTSSSQGLGGLSLTTEPVSSNPGYIPSSSEANRPSHLSSTG
 TPGAGVPSSGRDGGTSRDTFQTVPPNSTTMSLSMREDATILPSPSTSETVLTVAAGVISFIVILVVVII
 LVGVVSLRFKCRKSKESEDPQKPGSSGLSESCSTANGEKDSITLISMKNINMNGKQSLSAEKVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001077693.4](#)

RefSeq Size: 1030 bp

RefSeq ORF: 618 bp

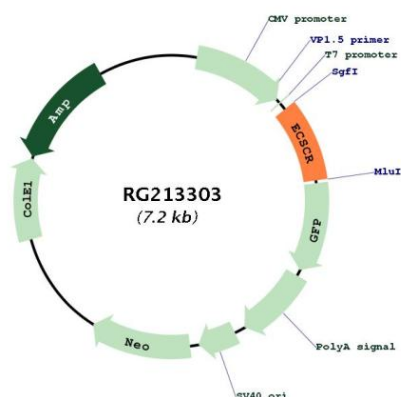
Locus ID: 641700

UniProt ID: [Q19T08](#)

Cytogenetics: 5q31.2

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 RG213303