

Product datasheet for **RG211860**

CELSR2 (NM_001408) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CELSR2 (NM_001408) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CELSR2
Synonyms: ADGRC2; CDHF10; EGFL2; Flamingo1; MEGF3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211860 representing NM_001408
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

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CTTCTTAACTTCCTGCAT

AGCGGACCGACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211860 representing NM_001408

Red=Cloning site Green=Tags(s)

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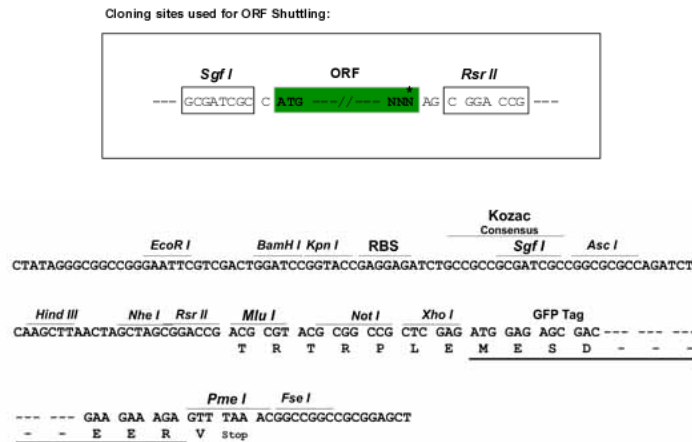
SGPTRRRLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja2624_a03.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001408

ORF Size: 8769 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](#)

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_001408.1](#), [NP_001399.1](#)

RefSeq Size: 10531 bp

RefSeq ORF: 8772 bp

Locus ID: 1952

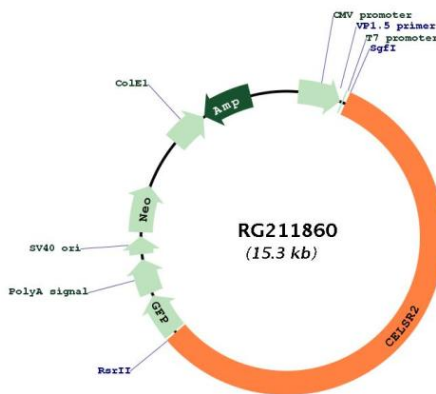
UniProt ID: [Q9HCU4](#)

Cytogenetics: 1p13.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene is a member of the flamingo subfamily, part of the cadherin superfamily. The flamingo subfamily consists of nonclassic-type cadherins; a subpopulation that does not interact with catenins. The flamingo cadherins are located at the plasma membrane and have nine cadherin domains, seven epidermal growth factor-like repeats and two laminin A G-type repeats in their ectodomain. They also have seven transmembrane domains, a characteristic unique to this subfamily. It is postulated that these proteins are receptors involved in contact-mediated communication, with cadherin domains acting as homophilic binding regions and the EGF-like domains involved in cell adhesion and receptor-ligand interactions. The specific function of this particular member has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211860