

## Product datasheet for RC222949

### Flamingo homolog 1 (CELSR3) (NM\_001407) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Flamingo homolog 1 (CELSR3) (NM_001407) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Flamingo homolog 1
Synonyms:	ADGRC3; CDHF11; EGFL1; FMI1; HFMI1; MEGF2; RESDA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222949 representing NM_001407 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:**

>RC222949 representing NM\_001407

Red=Cloning site Green=Tags(s)

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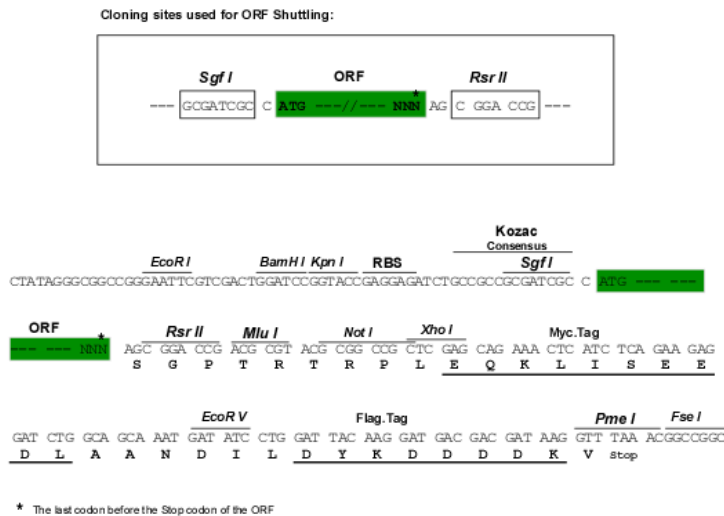
Chromatograms:

[https://cdn.origene.com/chromatograms/mk8119\\_a04.zip](https://cdn.origene.com/chromatograms/mk8119_a04.zip)

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN:

NM\_001407

ORF Size:

9936 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](mailto: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\\_001407.3](#)

**RefSeq Size:** 11974 bp

**RefSeq ORF:** 9939 bp

**Locus ID:** 1951

**UniProt ID:** [Q9NYQ7](#)

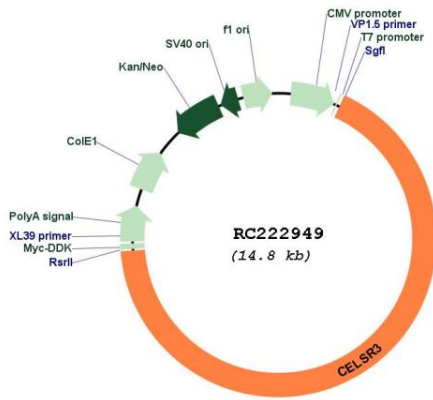
**Cytogenetics:** 3p21.31

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 358.6 kDa

**Gene Summary:** This gene belongs to the flamingo subfamily, which is included in the cadherin superfamily. The flamingo cadherins consist of nonclassic-type cadherins that do not interact with catenins. They are plasma membrane proteins containing seven epidermal growth factor-like repeats, nine cadherin domains and two laminin A G-type repeats in their ectodomain. They also have seven transmembrane domains, a characteristic feature of their subfamily. The encoded protein may be involved in the regulation of contact-dependent neurite growth and may play a role in tumor formation. [provided by RefSeq, Jun 2013]

Product images:



Circular map for RC222949