

## Product datasheet for **RC212516**

### EGFLAM (NM\_182801) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** EGFLAM (NM\_182801) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** EGFLAM  
**Synonyms:** AGRINL; AGRNL; PIKA  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC212516 representing NM\_182801  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGTTTAAAACAACCTGCCAAGGATGGCCTTTTGTGTGGAGGGGAGACAGCCCCATGAGACCCAACA  
GCGACTTCATTTCTTGGCCTTCGGGATGGAGCCCTCGTGTTCAGCTATAACCTGGGCAGTGGTGTGGC  
ATCCATCATGGTGAATGGCTCCTCAACGATGGTCGGTGGCACCAGTTAAGGCCGTTAGGGATGGCCAG  
TCAGGAAAGATAACCGTGGATGACTATGGAGCCAGAACAGGCAAATCCCCAGGCATGATGCGGCAGCTTA  
ACATCAATGGAGCTCTGTATGTGGTGAATGAAGGAAATGCTCTGCACACTAACAGGCAATATATGAG  
AGGGCTCGTGGGCTGTATCTCACTTACCCTGTCCACCGATTACCACATTTCCCTCGTGAAGATGCC  
GTGGATGGAAAAACATCAACACTTGTGGAGCCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC212516 representing NM\_182801  
**Red=Cloning site Green=Tags(s)**  
MRFKTTAKDGLLLWRGDSMPRPNSDFISLGLRDGALVFSYNLGSVASIMVNGSFNDGRWHRVKAVRDGQ  
SGKITVDDYGARTGKSPGMQRQLNINGALYVGGMKEIALHTNRQYMRGLVGCISHFTLSTDYHISLVEDA  
VDGKNINTCGAK

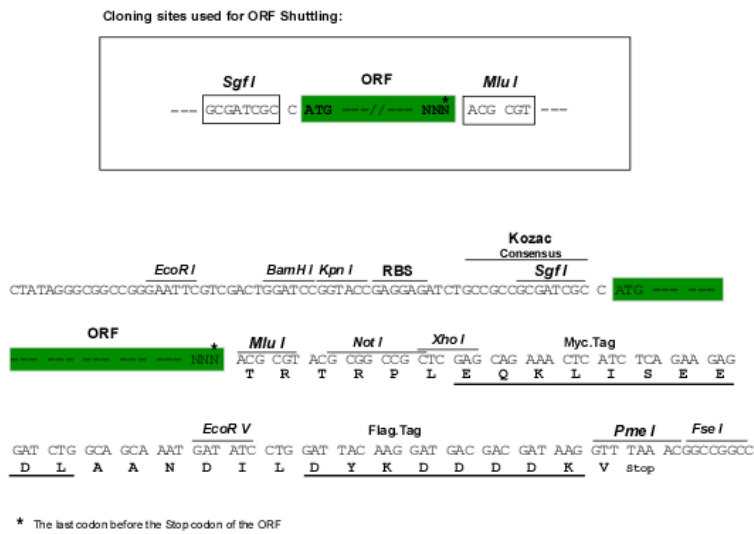
**TR**TRPLEQK**L**ISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg3677\\_b05.zip](https://cdn.origene.com/chromatograms/mg3677_b05.zip)



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_182801

ORF Size: 456 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\\_182801.3](#)

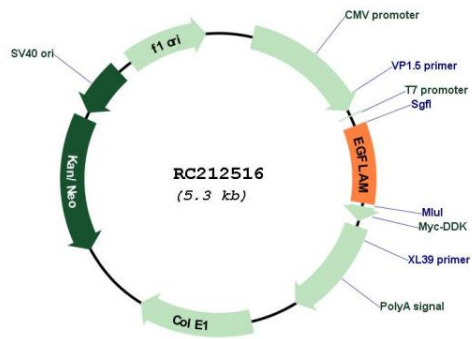
RefSeq Size: 2228 bp

RefSeq ORF: 459 bp

Locus ID: 133584

**UniProt ID:** [Q63HQ2](#)  
**Cytogenetics:** 5p13.2-p13.1  
**Protein Families:** Transmembrane  
**MW:** 16.4 kDa  
**Gene Summary:** Involved in both the retinal photoreceptor ribbon synapse formation and physiological functions of visual perception. Necessary for proper bipolar dendritic tip apposition to the photoreceptor ribbon synapse. Promotes matrix assembly and cell adhesiveness (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC212516