

## Product datasheet for **RG212516**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** EGFLAM (NM\_182801) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** EGFLAM  
**Synonyms:** AGRINL; AGRNL; PIKA  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG212516 representing NM\_182801  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGTTTAAACAACCTGCCAAGGATGGCCTTTTGTGTGGAGGGGAGACAGCCCCATGAGACCCAACA  
 GCGACTTCATTTCTTGGCCTTCGGGATGGAGCCCTCGTGTTCAGCTATAACCTGGGCAGTGGTGTGGC  
 ATCCATCATGGTGAATGGCTCCTCAACGATGGTCGGTGGCACCAGTTAAGGCCGTTAGGGATGGCCAG  
 TCAGGAAAGATAACCGTGGATGACTATGGAGCCAGAACAGGCAAATCCCCAGGCATGATGCGGCAGCTTA  
 ACATCAATGGAGCTCTGTATGTGGTGAATGAAGGAAATTGCTCTGCACACTAACAGGCAATATATGAG  
 AGGGCTCGTGGGCTGTATCTCACTTACCCTGTCCACCGATTACCACATTTCCCTCGTGAAGATGCC  
 GTGGATGGGAAAAACATCAACACTTGTGGAGCCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG212516 representing NM\_182801  
 Red=Cloning site Green=Tags(s)

MRFKTTAKDGLLLWRGDSMPRPNSDFISLGLRDGALVFSYNLGSVASIMVNGSFNDGRWHRVKA VRDQ  
 SGKITVDDY GARTGKSPGMMRQLNINGALYVGMKEIALHTNRQYMRGLVGCISHFTLSTDYHISLVEDA  
 VDGKNINTCGAK

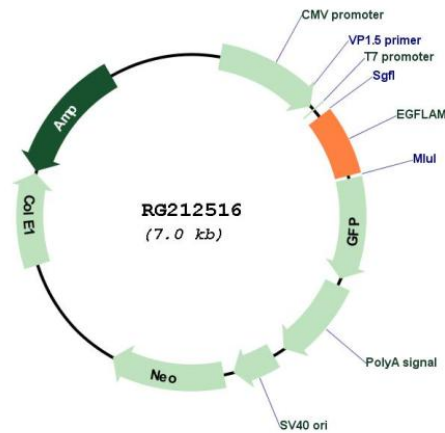
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_182801.3</u>
<b>RefSeq Size:</b>	2228 bp
<b>RefSeq ORF:</b>	459 bp
<b>Locus ID:</b>	133584
<b>UniProt ID:</b>	<u>Q63HQ2</u>
<b>Cytogenetics:</b>	5p13.2-p13.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]