

## Product datasheet for **MR231284**

### **Egflam (NM\_001289498) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Egflam (NM_001289498) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Egflam
Synonyms:	5930412K08; AU040377
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>MR231284 representing NM\_001289498  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTTGTGGTTCCGATTCTGAAGTGGCCCTTCTTGAGACCTGGAGAGAATGAAGGAAGTCCCC  
 AATTCAGTCCACTCTGTGGAATTCATTAGATTTTGACAAGAGCTGGACCATAATCCAAGAGCGCCTGCA  
 GATGGACTCCATGGTTATCAAAGCCTTGATCCAGATACCAACTACCAGTTTGCTGTGAAAGCCATGAAT  
 GCTCACGGCTCAGTCCGCGCAGCTGGCCAGCAACACCGTCCGAACCCTGGGTCCCGGGGAGGCTGGAA  
 GTGGTCATTATGGACCTGGGTATATACCAATCCCGGTGTGAGTGAAGATGATGATGGATCTGAAGACGA  
 ACTGGACCTGGATGTATCCTTTGAGGAGTTAAACCACTTCTGCTACCAAAGTTGGGAATAAGAAGTTC  
 TCAGTGGAGTCCAAGAAGACTTCTGTCTCAACTCAGTGTGGTCCAGACTCGCCCACTACCTCAG  
 CCTCTCTCCAGAACTACAGTGGCCATCCCACCCACACCAGCCCAACGGAAGGGGAAGAAGTGTGGC  
 CATGATGTCAAGGCTCTTTGACATGTCTGTGATGAAACTCTCTGTTAGCTGACAGCTTCTGTGTCAAT  
 GACTACGCCTGGGGGGCTCACGATGCCATTGCAACCTGGGCAAAGGAGGCGAGGCTGCTCAGAAGATA  
 TCTTTATTCAGTATCCTCAGTTCTTTGGCCACTCTACGTAACCTTTGAGCCTCTGAAGAAGTCTTATCA  
 GGCATTTACAGTTACTCTGGAGTTCAGGGCAGAGGCGGAGGATGGCTTGCTGCTCTACTCGCGAGAGAGT  
 GAGCACGGAAGAGGAGACTTCATGTCCCTGGCTCTCATCCGGCGGTCCCTCCACTTCAGGTTAATTGTG  
 GAACTGGGATTGCCATCATATAAGTGAGACAAAATCAAACCTGGGGCCTGGCATAACGGTGACACTGTA  
 CAGAGATGGCTGAATGGGATGCTGCAGTTGAATAATGGCACCCAGTACAGGCCAGTCCCAGGGTCAG  
 TACAGTAAAATTACCTCCGGACACCTCTGTACCTCGGGGCGCTCCCAGTGTACTGGCTGGTCAGAG  
 CAACAGGGACAAACCGTGGCTTCCAAGGCTGTGTGCAGTCACTTCTGTTAATGGGAAGAAGATGACT  
 GAGGCCCTGGCCATTAGGAAAAGCCCTCAATGGAGCTGATGTTGGGGAGTGCAGCAGTGGGATCTGTGAC  
 GAAGCCTCCTGCATCCAGGGGGCACCTGCGCAGCCATCAAGGCCGACTCTACATCTGCCTCTGTCCCC  
 TTGGGTTAGAGGTCGACACTGTGAAGATGCTTTTGCCCTGACCATCCCTCAGTTCAGAGAGTTCGCTGAG  
 GTCCTATGCTGCCACACCCTGGCCCTGGAGCCTCAGCATTATCTTTCTTCCAGGATTCGAGATCACC  
 TTTCCGCCAGACTCGGGGATGGTGTCTTTGTACAGTACGACACGGGAGCAAGGACTTCTCTCCA  
 TCAATATGGCTGCGGGCCACGTGGAATTCGCTTCGACTGTGGTCTGGGACGGGAGTTCAGGAGTGA  
 GGCTCCCCTACCCTAGCCAATGGCATGACCTACGTGTGTCTCGCACAGCGAAGATGGGATCTTACAG  
 GTGGACAAGCAGAAGGTGGTAGAGGGAATGGCAGAGGGAGGCTTACCCAGATTAAGTGTAAACGGACA  
 TTTTTATTGGTGGAGTCCCAAATTACGATGATGTCAAGAAGAAGTCCGGGATCCTCCATCCATTTAGTGG  
 GAGCATTACAGAAGATCATCTCAACGACCGGACCATCCATGTGAAGCATGACTTTACATCGGGCGTGAAT  
 GTGGAGAAGCAGCCACCCCTGTGTAGGGGCCCTGTGCCATGGGGGAGCTGTCCGGCCAGGAAGG  
 AGGGTTATGAGTGCAGTGTCCCTGGGCTTCGAAGGCCGTAAGTCCAGAAAGAGTGTGGGAACCACTG  
 CCTCAATACTATTATAGAAGCCATCGAGATCCCACAGTTCATCGGCCGAGCTACCTGACGTATGACAAC  
 CCAAATACCTCAAGAGGGTGTCTGGATCGAGGTCAAATGCGTTCATGAGGTTAAGACAACCGCCAAGG  
 ATGGCTGTTGCTGTGGAGGGGGACAGCCCCATGAGACCTAACAGTACTTCAATTCCTGGGTCTTCG  
 GGATGGAGCCCTGATATTCAGCTACAACCTGGCAGTGGCGTGGCTTCCATCATGGTGAACGGTTCCTTC  
 AGCGATGGCCGGTGGCACCGAGTCAAGGCTGTGAGGGATGGCCAGTCCGGGAAGATTACAGTGGATGACT  
 ACGGAGCCAGAACAGGCAAGTACCGGGCTTGATGCGGCAGCTTAACATCAACGGTGTCTGTACGTGGG  
 TGGAAATGAAGAAATCGCTCTGCACACGAACAGACAATACCTGCGAGGCCTTGTGGGCTGCATCTCCAT  
 TTCACACTGTCCACCGATTACCACATTTCCCTCGTGGAAAGACGCCGTGGATGGGAAGAACATCAACACT  
 GTGGGGCTAAG

**ACGGCT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231284 representing NM\_001289498  
 Red=Cloning site Green=Tags(s)

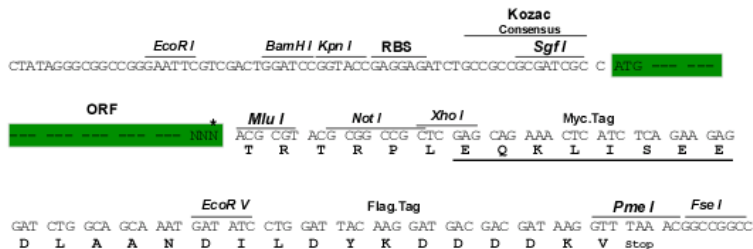
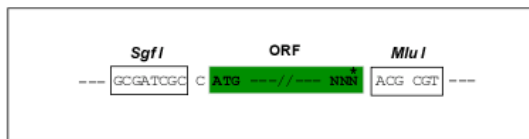
MSLWFPILKWPFLGDLERMKEVPQFSPTLWNSLDFDKSWTIIQERLQMDSMVIKGLDPDTNYQFAVKAMN  
 AHGFSRSPWSNTVRTLGPGEAGSGHYGPGYITNPGVSEDDDGSEDELDLDVVSFEEVKPLPATKVGKPKF  
 SVESKKTSSVNSVMGSRLAQPTSASLHETTVAIPPPTPAQRKGNKVAMMSRFLDMSCDETLCSADSFVNV  
 DYAWGGSRCHCNLKGGEACSEDIIFIQYPQFFGHSHYVTFEPLKNSYQAFQVTFLEFRAEAEDGLLLYCGES  
 EHGRGDFMSLALIRRSLSHFRFNCGTGIAIIISSETKIKLGAWHTVTLYRDGLNGLQLNNGTPVTGQSQGQ  
 YSKITFRTPLYLGGAPSAAYLVRATGTNRGFQGCVQSLSVNGKKIDMRPWPLGKALNGADVGECCSSGICD  
 EASCIHGTCAAIKADSYICLCPLGFRGRHCEDAFALTIPQFRESLSYAATPWPLEPQHYSFTEFEIT  
 FRPDSGDGVLLYSYDTGSKDFLSINMAAGHVEFRFDCSGSGTVLRSEAPLTLGQWHDLRVSRTAKNGILQ  
 VDKQKVVEGMAEGGFTQIKCNTDIFIGGVPNYDDVKKNSGILHPFSGSIQKIILNDRTIHVKHDFTSGVN  
 VENAHPHCVGAPCAHGGSCRPRKEGYECDPLGFEGLNQCQKCGNHCLNTIIIEAIEIPQF IGRSYLTYDN  
 PNILKRVSGSRSNAMRFKTTAKDGLLLWRGDSMPMRPNSDFISLGLRDGALIFSYNLGSGVASIMVNGSF  
 SDGRWHRVKAVRDGQSGKITVDDYGARTGKSPGLMRQLNINGALYVGGMKEIALHTNRQYLRGLVGCISH  
 FTLSTDYHISLVEDAVDGKNINTCGAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

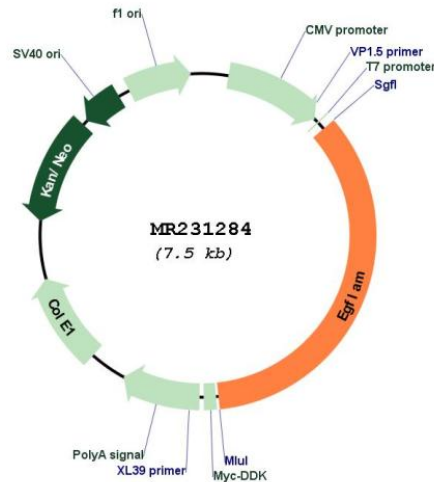
Restriction Sites:  
 Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001289498

**ORF Size:** 2601 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\\_001289498.1](#), [NP\\_001276427.1](#)

**RefSeq Size:** 4883 bp

**RefSeq ORF:** 2604 bp

**Locus ID:** 268780

**Cytogenetics:** 15 A1

**MW:** 95.5 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.  
[UniProtKB/Swiss-Prot Function]