

Product datasheet for **MC229073**

Egflam (NM_001289498) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC229073 representing NM_001289498
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTGTGGTTCCGATTCTGAAGTGGCCCTTCTTGAGACCTGGAGAGAATGAAGGAAGTCCCC
 AATTCAGTCCACTCTGTGGAATTCATTAGATTTTGACAAGAGCTGGACCATAATCCAAGAGCGCCTGCA
 GATGGACTCCATGGTTATCAAAGCCTTGATCCAGATACCAACTACCAGTTTGTGTGAAAGCCATGAAT
 GCTCACGGCTCAGTCCGCGCAGCTGGCCAGCAACACCGTCCGAACCTGGGTCCCGGGGAGGCTGGAA
 GTGGTCATTATGGACCTGGGTATATACCAATCCCGGTGTGAGTGAAGATGATGATGGATCTGAAGACGA
 ACTGGACCTGGATGTATCCTTTGAGGAGTTAAACCACTTCTGTCTACCAAAGTTGGGAATAAGAAGTTC
 TCAGTGGAGTCCAAGAAGACTTCTGTCTCAACTCAGTGTGGTCCAGACTCGCCCACTACCTCAG
 CCTCTCTCCACGAACTACAGTGGCCATCCCACCCACACCAGCCCAACGGAAGGGGAAGAAGAGTGTGGC
 CATGATGTCAAGGCTCTTTGACATGTCTGTGATGAAACTCTCTGTTAGCTGACAGCTTCTGTGTCAAT
 GACTACGCCTGGGGGGCTCACGATGCCATTGCAACCTGGGCAAAGGAGGCGAGGCTGCTCAGAAGATA
 TCTTTATTCAGTATCCTCAGTTCTTTGGCCACTCTACGTAACCTTTGAGCCTCTGAAGAAGTCTTATCA
 GGCATTTACAGTTACTCTGGAGTTCAGGGCAGAGGCGGAGGATGGCTTGCTGCTCTACTCGCGAGAGAGT
 GAGCACGGAAGAGGAGACTTCATGTCCCTGGCTCTCATCCGGCGGTCCCTCCACTTCAGGTTAATTGTG
 GAACTGGGATTGCCATCATATAAGTGAGACAAAATCAAACCTGGGGCTGGCATAACGGTGACACTGTA
 CAGAGATGGCTGAATGGGATGCTGCAGTTGAATAATGGCACCCAGTACAGGCCAGTCCCAGGGTCAG
 TACAGTAAAATTACCTCCGGACACTCTGTACCTCGGGGCGCTCCCAGTCTTACTGGCTGGTCAGAG
 CAACAGGGACAACCCGTGGCTTCCAAGGCTGTGTGCAGTCACTTCTGTTAATGGGAAGAAGATGACAT
 GAGGCCCTGGCCATTAGGAAAAGCCCTCAATGGAGCTGATGTTGGGGAGTGCAGCAGTGGGATCTGTGAC
 GAAGCCTCCTGCATCCAGGGGGCACCTGCGCAGCCATCAAGGCCGACTCTACATCTGCCTCTGTCCCC
 TTGGGTTAGAGGTCGACACTGTGAAGATGCTTTTGCCCTGACCATCCCTCAGTTCAGAGAGTTCGCTGAG
 GTCCTATGCTGCCACACCCTGGCCCTGGAGCCTCAGCATTATCTTTCTTCCAGGATTCGAGATCACC
 TTTCCGGCCAGACTCGGGGATGGTGTCTTTGTACAGCTACGACACGGGAGCAAGGACTTCTCTCCA
 TCAATATGGCTGCGGGCCACGTGGAATTCGCTTCGAGTGTGGTCTGGGACGGGAGTTCAGGAGTGA
 GGCTCCCCTCACCTAGCCAATGGCATGACCTACGTGTGTCTCGCACAGCGAAGATGGGATCTTACAG
 GTGGACAAGCAGAAGGTGTTAGAGGGAATGGCAGAGGGAGGCTTACCCAGATTAAGTGTAAACGGACA
 TTTTTATTGGTGGAGTCCCAATTACGATGATGTCAAGAAGAAGTCCGGGATCCTCCATCCATTTAGTGG
 GAGCATTACAGAAGATCATCCTCAACGACCGGACCATCCATGTGAAGCATGACTTTACATCGGGCGTGAAT
 GTGGAGAAGCAGCCACCCCTGTGTAGGGGCCCTGTGCCATGGGGGAGCTGTCCGGCCAGGAAGG
 AGGGTTATGAGTGCAGCTGTCCCTGGGCTTCGAAGGCCGTAAGTCCAGAAAGAGTGTGGGAACCACTG
 CCTCAATACTATTATAGAAGCCATCGAGATCCCACAGTTCATCGGCCGAGCTACCTGACGTATGACAAC
 CCAAATACCTCAAGAGGGTGTCTGGATCGAGGTCAAATGCGTTCATGAGGTTAAGACAACCGCCAAGG
 ATGGCTGTTGCTGTGGAGGGGGACAGCCCCATGAGACCTAACAGTACTTCAATTCCTGGGTCTTCG
 GGATGGAGCCCTGATATTCAGCTACAACCTGGGAGTGGCGTGGCTTCCATCATGGTGAACGGTTCCTTC
 AGCGATGGCCGGTGGCACCGAGTCAAGGCTGTGAGGGATGGCCAGTCCGGGAAGATTACAGTGGATGACT
 ACGGAGCCAGAACAGGCAAGTACCCGGCTTGATGCGGCAGCTTAAACATCAACGGTGTCTGTACGTGGG
 TGGAAATGAAGAAATCGCTCTGCACACGAACAGACAATACCTGCGAGGCCTTGTGGGCTGCATCTCCAT
 TTCACACTGTCCACCGATTACCACATTTCCCTCGTGGAAGACGCCGTGGATGGGAAGAACATCAACACTT
 GTGGGGCTAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289498
Insert Size: 2604 bp

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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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: | <ol style="list-style-type: none">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. |
| Note: | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| RefSeq: | <u>NM_001289498.1</u> , <u>NP_001276427.1</u> |
| RefSeq Size: | 4883 bp |
| RefSeq ORF: | 2604 bp |
| Locus ID: | 268780 |
| Cytogenetics: | 15 A1 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR and has multiple coding region differences compared to variant 1. These differences result in the use of an alternate AUG compared to variant 1. The encoded isoform (3) is shorter and has a distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |