

Product datasheet for MC223192

Egflam (NM_178748) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Egflam (NM_178748) Mouse Untagged Clone
Tag: Tag Free
Symbol: Egflam
Synonyms: 5930412K08; AU040377
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223192 representing NM_178748
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATTTAATCTCAACCTTCTCGCTCCATTTCTTGCTCCTGGCCTGCAGCCTCCCACCCGGCGCTGTGT
 CACTCCGAACGGCTCTGCGAAAATCAGGCAAGGTGGGACCTCCTCTTGACATCAAGCTGGGAGCCTTGAA
 CTGTACAGCTTTCAGCATCCAGTGGAAAACACCAAGCGTTCTGGTAGCTCCATCATTGGCTACACAGTG
 TTTTACTCTGAGGTTGGTTCAGATAAGTCCCTGCGGGAGCGGTACACAAACGTCCCGGTTGGCCAGGATA
 CCCTAATCACTGAGGAAGTGATTGGAGATTTGAAGCCAGGCACTGAATATCAAGTAAGCGTAGCAGCCTA
 CAGTCAGACTGGCAAGGGGAGGCTTAGCTTCCCTCGACATGTGACCACTTTGTCTCAAGATTCCTGCCTG
 CCCCTGACAGACCCCAACAGCCACATGTCCTTGTGGTTTCCGATTCTGAAGTGGCCCTTCTTGGAGAC
 CTGGAGAGAATGAAGGAAGTGCCCAATTCAGTCTACTCTGTGGAATTCATTAGACCAGATTTTGACAA
 GAGCTGGACCATAATCCAAGAGCGCCTGCAGATGGACTCCATGGTTATCAAAGGCCTTGATCCAGATACC
 AACTACCAGTTTGCTGTGAAAGCCATGAATGCTCACGGCTTCAGTCCGCGCAGCTGGCCACGAAACCCG
 TCCGAACCCTGGGTCCCGGGAGGCTGGAAGTGGTCATTATGGACCTGGGTATATCACCAATCCCGGTGT
 GAGTGAAGATGATGATGGATCTGAAGACGAACTGGACCTGGATGTATCCTTTGAGGAGTTAAACCACTT
 CCTGCTACCAAAGTTGGGAATAAGAAGTTCTCAGTGGAGTCCAAGAAGACTTCTGTCTCCAACTCAGTGA
 TGGGCTCCAGACTCGCCCAACCTACCTCAGCCTCTCTCCACGAAACTACAGTGGCCATCCCACCCACACC
 AGCCCAACGGAAGGGGAAGAACAGTGTGGCCATGATGTCAAGGCTCTTTGACATGTCCTGTGATGAACT
 CTCTGTTACAGCTGACAGCTTCTGTGTCAATGACTACGCCTGGGGGGCTCACGATGCCATTGCAACTGG
 GCAAAGGAGGCGAGGCTGCTCAGAAGATATCTTTATTAGTATCCTCAGTCTTTGGCCACTCCTACGT
 AACCTTTGAGCCTCTGAAGAAGTCTTATCAGGCATTTAGGTTACTCTGGAGTTCAGGGCAGAGGCGGAG
 GATGGCTTGTGCTCTACTGCGGAGAGAGTGAGCACGGAAGAGGAGACTTCATGTCCCTGGCTCTCATCC
 GCGGTTCCCTCCACTTACAGGTTTAAATTGTGGAAGTGGGATTGCCATCATATAAGTGAAGCAAAATCAA
 ACTTGGGGCTGGCATACGGTGACACTGTACAGAGATGGCCTGAATGGGATGCTGCAAGTTGAATAATGGC
 ACCCAGTGACAGGCCAGTCCCAGGGTCAGTACAGTAAAATTACCTTCCGGACACCTCTGTACCTCGGGG



GCGCTCCAGTGCTTACTGGCTGGTCAGAGCAACAGGGACAAACCGTGGCTTCCAAGGCTGTGTGCAGTC
 ACTTTCTGTTAATGGGAAGAAGATTGACATGAGGCCCTGGCCATTAGGAAAAGCCCTCAATGGAGCTGAT
 GTTGGGGAGTGCAGCAGTGGGATCTGTGACGAAGCCTCCTGCATCCACGGGGGCACCTGCGCAGCCATCA
 AGGCCGACTCCTACATCTGCCTCTGTCCCCTTGGGTTTCAGAGGTCGACACTGTGAAGATGCTTTTGCCT
 GACCATCCCTCAGTTCAGAGAGTCGCTGAGGTCCTATGCTGCCACACCCTGGCCCCTGGAGCCTCAGCAT
 TATCTTTCTTCCACCGAGTTCGAGATCACCTTTCGGCCAGACTCGGGGGATGGTGTCTTTGTACAGCT
 ACGACACGGGCAGCAAGGACTTCCCTCCATCAATATGGCTGCGGGCCACGTGGAATCCGCTTCGACTG
 TGGTTCTGGGACGGGAGTTCTCAGGAGTGAGGCTCCCCTCACCTAGGCCAATGGCATGACCTACGTGTG
 TCTCGCACAGCGAAGAATGGGATCTTACAGGTGGACAAGCAGAAGGTGGTAGAGGAATGGCAGAGGGAG
 GCTTACCAGATTAAGTGAATACGGACATTTTTATTGGTGGAGTCCCAAATTACGATGATGTCAAGAA
 GAACTCGGGGATCCTCCATCCATTTAGTGGGAGCATTAGAAGATCATCCTCAACGACCGGACCATCCAT
 GTGAAGCATGACTTTACATCGGGCGTGAATGTGGAGAACGCAGCCACCCTGTGTAGGGGCCCCCTGTG
 CCCATGGGGCAGCTGTCGGCCAGGAAGGAGGTTATGAGTGCAGTGTCCCTTGGGCTCGAAGGCCT
 GAACTGCCAGAAAGCTATTATAGAAGCCATCGAGATCCCACAGTTCATCGGCCGAGCTACCTGACGTAT
 GACAACCCAAATATCCTCAAGAGGGTGTCTGGATCGAGGTCAAATGCGTTCATGAGGTTTAAACAACCG
 CCAAGGATGGCCCTGTGTGGAGGGGGACAGCCCATGAGACCTAACAGTGACTTCATTTCCCTGGG
 TCTTCGGGATGGAGCCCTGATATTCAGCTACAACCTGGGCACTGGCGTGGCTTCCATCATGGTGAACGGT
 TCCTTCAGCGATGGCCGGTGGCACCGAGTCAAGGCTGTCAGGGATGGCCAGTCCGGGAAGATTACAGTGG
 ATGACTACGGAGCCAGAACAGGCAAGTCAACGGGCTTGTGCGGCAGCTTAACATCAACGGTGTCTGTGA
 CGTGGGTGGAATGAAGGAAATCGCTCTGCACACGAACAGACAATACCTGCGAGGCCTTGTGGGCTGCATC
 TCCCATTTCACTGTCCACCGATTACCACATTTCCCTCGTGAAGACGCCGTGGATGGGAAGAATCA
 ACATTTGGGGCTAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_178748
- Insert Size:** 3030 bp
- 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).
- 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_178748.6](#), [NP_848863.1](#)
- RefSeq Size:** 4864 bp
- RefSeq ORF:** 3030 bp

Locus ID: 268780

UniProt ID: [Q4VBE4](#)

Cytogenetics: 15 A1

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]

Transcript Variant: This variant (2) lacks an exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than 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.