

Product datasheet for MC229277

Egflam (NM_001289496) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Egflam (NM_001289496) 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:	>MC229277 representing NM_001289496 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTTAATCTCAACCTTCTCGCTCCATTTCTTGCTCCTGGCCTGCAGCCTCCCACCCGGCGCTGTGT
CACTCCGAACGGCTCTGCGAAAATCAGGCAAGGTGGGACCTCCTCTTGACATCAAGCTGGGAGCCTTGAA
CTGTACAGCTTTCAGCATCCAGTGGAAAACACCAAGCGTTCTGGTAGCTCCATCATTGGCTACACAGTG
TTTTACTCTGAGGTTGGTTCAGATAAGTCCCTGCGGGAGCGGTACACAAAGTCCCGGTTGGCCAGGATA
CCCTAATCACTGAGGAAGTGATTGGAGATTTGAAGCCAGGCACTGAATATCAAGTAAGCGTAGCAGCCTA
CAGTCAGACTGGCAAGGGGAGGCTTAGCTTCCCTCGACATGTGACCACCTTTGTCTCAAGATTCCTGCCTG
CCCCCTGCAGCACCCCAACAGCCACATGTCCTTGTGGTTTCCGATTCTGAAGTGGCCCTTTCTTGGAGAC
CTGGAGAGAATGAAGGAAGTGCCCAATTCAGTCTACTCTGTGGAATTCATTAGACCAGATTTTGACAA
GAGCTGGACCATAATCCAAGAGCGCCTGCAGATGGACTCCATGGTTATCAAAGGCCTTGATCCAGATACC
AACTACCAGTTTGCTGTGAAAGCCATGAATGCTCACGGCTTCAGTCCGCGCAGCTGGCCAGCAACACCCG
TCCGAACCCTGGGTCCCGGGAGGCTGGAAGTGGTCAATATGGACCTGGGTATATCACCAATCCCGGTGT
GAGTGAAGATGATGATGGATCTGAAGACGAACTGGACCTGGATGTATCCTTTGAGGAGTTAAACCACTT
CCTGCTACCAAAGTTGGGAATAAGAAGTCTCAGTGGAGTCCAAGAAGACTTCTGTCTCCAACTCAGTGA
TGGGCTCCAGACTCGCCCAACCTACCTCAGCCTCTCTCCACGAACTACAGTGGCCATCCCACCCACACC
AGCCCAACGGAAGGGGAAGAAGCAGTGTGGCCATGATGTCAAGGCTCTTTGACATGTCCTGTGATGAACT
CTCTGTTACAGCTGACAGCTTCTGTGTCAATGACTACGCTGGGGGGCTCACGATGCCATTGCAACTGG
GCAAAGGAGGCGAGGCTGCTCAGAAGATATCTTTATTAGTATCCTCAGTCTTTGGCCACTCCTACGT
AACCTTTGAGCCTCTGAAGAAGTCTTATCAGGCATTTAGGTTACTCTGGAGTTCAGGGCAGAGGGCGGAG
GATGGCTTGTGCTCTACTGCGGAGAGAGTGAGCACGGAAGAGGAGACTTCATGTCCCTGGCTCTCATCC
GGCGGTCCCTCCACTTACAGTTTAAATTGTGGAAGTGGGATTGCCATCATATAAGTGAAGCAAAATCAA
ACTTGGGGCTGGCATAACGGTGACACTGTACAGAGATGGCCTGAATGGGATGCTGCAAGTGAATAATGGC
ACCCAGTGACAGGCCAGTCCCAGGGTCACTACAGTAAATACCTTCCGGACACCTCTGTACCTCGGGG



GCGCTCCCAGTGCTTACTGGCTGGTCAGAGCAACAGGGACAAACCGTGGCTTCCAAGGCTGTGTGCAGTC
 ACTTTCTGTTAATGGGAAGAAGATTGACATGAGGCCCTGGCCATTAGGAAAAGCCCTCAATGGAGCTGAT
 GTTGGGAGTGCAGCAGTGGGATCTGTGACGAAGCCTCTGCATCCACGGGGGCACCTGCGCAGCCATCA
 AGGCCGACTCCTACATCTGCCTCTGTCCCCTTGGGTTTCCAGAGTGCAGACTGTGAAGATGCTTTTGCCT
 GACCATCCCTCAGTTCAGAGAGTGCCTGAGGCTCCTATGCTGCCACACCCTGGCCCTGGAGCCTCAGCAT
 TATCTTTCTTCCACCGAGTTCGAGATCACCTTTCCGCCAGACTCGGGGGATGGTGTCTTTTGTACAGCT
 ACGACACGGGCAGCAAGGACTTCTCCATCAATATGGCTGCGGGCCACGTGGAATTCGCTTCGACTG
 TGGTTCTGGGACGGGAGTTCTCAGGAGTGAAGCTCCCCTCACCCTAGGCCAATGGCATGACCTACGTGTG
 TCTCGCACAGCGAAGAATGGGATCTTACAGGTGGACAAGCAGAAGGTGGTAGAGGAATGGCAGAGGGAG
 GCTTACCAGATTAAGTGAATACGGACATTTTTATTGGTGGAGTCCCAAATTACGATGATGTCAAGAA
 GAACTCGGGGATCCTCCATCCATTTAGTGGGAGCATTAGAAGATCATCTCAACGACCGGACCATCCAT
 GTGAAGCATGACTTTACATCGGGCGTGAATGTGGAGAACGCAGCCACCCTGTGTAGGGGCCCCCTGTG
 CCCATGGGGCAGCTGTCGGCCAGGAAGGAGGTTATGAGTGCAGTGTCCCTTGGGCTTCGAAGGCT
 GAACTGCCAGAAAGAGTGTGGAAACACTGCCTCAATACTATTATAGAAGCCATCGAGATCCACAGTTC
 ATCGGCCGAGCTACCTGACGTATGACAACCCAAATATCTCAAGAGGGTGTCTGGATCGAGGTCAATG
 CGTTCATGAGGTTAAGACAACCGCCAAGGATGGCCTGTTGCTGTGGAGGGGGACAGCCCCATGAGACC
 TAACAGTGACTTCATTTCCCTGGGTCTTCCGGATGGAGCCCTGATATTACGCTACAACTGGGCAGTGGC
 GTGGCTTCCATCATGGTGAACGGTTCCTTACGCGATGGCCGGTGGCACCAGTCAAGGCTGTGAGGGATG
 GCCAGTCCGGGAAGATTACAGTGGATGACTACGGAGCCAGAACAGGCAAGTACCAGGGCTTGTGCGGCA
 GCTTAACATCAACGGTGTCTGTACGTGGTGAATGAAGGAAATCGCTCTGCACACGAACAGACAATAC
 CTGCGAGGCCCTTGTGGGCTGCATCTCCATTTCACTGTCCACCGATTACCACATTTCCCTCGTGAAG
 ACGCCGTGGATGGGAAGAACATCAACACTTGTGGGCTAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289496
- Insert Size:** 3054 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).
- 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:**
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_001289496.1](#), [NP_001276425.1](#)

RefSeq Size: 4888 bp

RefSeq ORF: 3054 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 (1) represents the longest transcript and encodes the longest isoform. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.