

Product datasheet for MR223436

Egflam (NM_178748) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Egflam (NM_178748) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Egflam
Synonyms:	5930412K08; AU040377
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223436 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTTAATCTCAACCTTCTCGCTCCATTTCTGCTCCTGGCCTGCAGCCTCCACCCGGCGCTGTG
CACTCCGAACGGCTCTGCGAAAATCAGGCAAGGTGGGACCTCCTTTGACATCAAGCTGGGAACCTTGAA
CTGTACAGCTTTCAGCATCCAGTGGAAAACACCAAAGCGTTCTGGTAGCTCCATCATTGGCTACACAGTG
TTTTACTCTGAGGTTGGTTCAGATAAGTCCCTGCGGGAGCGGTACACAACTCCCGGTTGGCCAGGATA
CCCTAATCACTGAGGAAGTGATTGGAGATTTGAAGCCAGGCACTGAATATCAAGTAAGCGTAGCAGCCTA
CAGTCAGACTGGCAAGGGGAGGCTTAGCTTCCCTCGACATGTGACCACTTTGTCTCAAGATTCCTGCCTG
CCCCCTGCAGCACCCCAACAGCCACATGTCTTGTGGTTTCTGATTCTGAAGTGGCCCTTTCTTGGAGAC
CTGGAGAGAATGAAGGAAGTGCCCAATTCAGTCTACTCTGTGGAATTCATTAGACCAGATTTTGACAA
GAGCTGGACCATAATCCAAGAGCGCCTGCAGATGGACTCCATGGTTATCAAAGGCCTTGATCCAGATACC
AACTACCAGTTTGCTGTGAAAGCCATGAATGCTCACGGCTTCAGTCCGCGCAGCTGGCCAGCAACCCG
TCCGAACCCTGGGTCCCGGGGAGGCTGGAAGTGGTCATTATGGACCTGGGTATATACCAATCCCGGTGT
GAGTGAAGATGATGATGGATCTGAAGACGAAGTGGACCTGGATGTATCCTTTGAGGAGGTTAAACCACTT
CCTGCTACCAAAGTTGGGAATAAGAAGTTCTCAGTGGAGTCCAAGAAGACTTCTGTCTCCAACCTCAGTGA
TGGGCTCCAGACTCGCCCAACCTACCTCAGCCTCTCTCCAGAACTACAGTGGCCATCCCAACCCACACC
AGCCCAACGGAAGGGGAAGAAGCAGTGTGGCCATGATGTCAAGGCTCTTTGACATGTCTGTGATGAAACT
CTCTGTTCACTGACAGCTTCTGTGTAATGACTACGCCTGGGGGGCTCACGATGCCATTGCAACCTGG
GCAAAGGAGGCGAGGCTGCTCAGAAGATATCTTTATTAGTATCCTCAGTTCTTTGGCCACTCCTACGT
AACCTTTGAGCCTCTGAAGAAGTCTTATCAGGCATTTTCAAGTTACTCTGGAGTTCAGGGCAGAGGCGGAG
GATGGCTTGTGCTCTACTGCGGAGAGAGTGGACCGGAAGAGGAGACTTCATGTCCCTGGCTCTCATCC
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ACTTGGGGCTGGCATAACGGTACACTGTACAGAGATGGCCTGAATGGGATGCTGCAGTTGAATAATGGC



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ACCCCAGTGACAGGCCAGTCCCAGGGTCAGTACAGTAAAATTACCTTCCGGACACCTCTGTACCTCGGGG
 GCGCTCCCAGTGTACTGGCTGGTCAGAGCAACAGGGACAAACCGTGGCTTCCAAGGCTGTGTGCAGTC
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 GACCATCCCTCAGTTCAGAGAGTCGTGAGGTCCTATGCTGCCACACCCTGGCCCCTGGAGCCTCAGCAT
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 ACGACACGGGCAGCAAGGACTTCTCTCCATCAATATGGCTGCGGGCCAGTGGAATTCCGCTTCGACTG
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 TCCTTCAGCGATGGCCGGTGGCACCAGTCAAGGCTGTGAGGGATGGCCAGTCCGGGAAGATTACAGTGG
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 CGTGGGTGGAATGAAGGAAATCGCTCTGCACACGAACAGACAATACCTGCGAGGCCTTGTGGGCTGCATC
 TCCCATTTCACTGTCCACCGATTACCACATTTCCCTCGTGAAGACGCCGTGGATGGGAAGAACATCA
 ACACTTGTGGGGCTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223436 protein sequence
 Red=Cloning site Green=Tags(s)

MDLISTFSLHFLLLACSLPPGAVSLRALTALRKSGKVPPLDIKLGTLNCTAFSIQWKTPKRSGSSIIGYTV
 FYSEVGSDKSLRERSHNPVQDQLITEEVIGDLKPGTEYQVSVAAYSQTGKGRLSFPRHVTTLSQDSC
 PPAAPQQPHVLVVDSEVALSWRPGENEGSAPIQSYSVEFIRPDFDKSWTIIQERLQMDSMVIKGLDPDT
 NYQFAVKAMNAHGFSPRSWPSNTVRTLGPGEAGSGHYGPGYITNPGVSEDDGSEDELDDVDFEIVKPL
 PATKVGNNKFSVESKTSVSNVMSRLAQPTSASLHETTVAIPPTPAQRKGNVAMMSRLFDMSDET
 LCSADSFVNDYAWGGSRCHCNLKGGEACSEDFIQYPQFFGHSYVTFEPLKNSYQAFQVTLFRAEAE
 DGLLL YCGESEHGRGDFMSLAL IRRSLHFRFNCGTGIAII ISETKIKLGAWHTVTL YRDGLNGLQLNNG
 TPVTGQSQGQYSKITFRTPLYLGGAPSA YWLVRATGTNRGFQGC VQSLSVNGKKIDMRPWPLGKALNGAD
 VGECSGICDEASCIHGGTCAAIKADSYICL CPLGFRGRHCEDAFAL TIPQFRESLRSYAATPWPLEPQH
 YL SFTFEIITFRPDSGDGVLLYSYDTGSKDFLSINMAAGHVEFRFDCGSGTGVL RSEAPLTLGQWHDLRV
 SRTAKNGILQVDKQKVVEGMAEGGFTQIKCNTDIFIGGVPNYDDVKNSGILHHPFSGSIQKIILNDRTIH
 VKHDFTSVNVENAAHPCV GAPCAHGGSCRPRKEGYECDPLGF EGLNCQKAIIEAIEIPQFIGRSYLYT
 DNPNI LKRVSRSNAFMRFKTTAKDGLLLWRGDSPMRPNSDFISLGLRDGALIFSYNLGSGVASIMVNG
 SFS DGRWHRVKA VRDQSGKITVDDYGARTGKSPGLMRQLNINGAL YVGGMKEIALHTNRQYLRGLVGC
 SHFTLSTDYHISLVEDAVDGNINTCGAK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_178748

ORF Size: 3030 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_178748.1](#), [NM_178748.2](#), [NM_178748.3](#), [NM_178748.4](#), [NM_178748.5](#), [NM_178748.6](#), [NP_848863.1](#)

RefSeq Size: 4864 bp

RefSeq ORF: 3030 bp

Locus ID: 268780

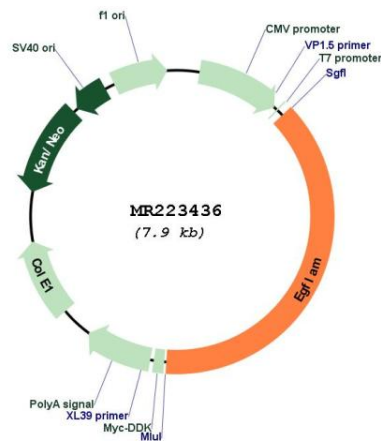
UniProt ID: [Q4VBE4](#)

Cytogenetics: 15 A1

MW: 109.9 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]

Product images:



Circular map for MR223436