

Product datasheet for **MG223436**

Egflam (NM_178748) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Egflam (NM_178748) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Egflam
Synonyms:	5930412K08; AU040377
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223436 representing NM_178748 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTTAATCTCAACCTTCTCGCTCCATTTCTTGCTCCTGGCCTGCAGCCTCCACCCGGCGCTGTGT
CACTCCGAACGGCTCTGCGAAAATCAGGCAAGGTGGGACCTCCTTTGACATCAAGCTGGGAACCTTGAA
CTGTACAGCTTTCAGCATCCAGTGGAAAACACCAAAGCGTTCTGGTAGCTCCATCATTGGCTACACAGTG
TTTTACTCTGAGGTTGGTTCAGATAAGTCCCTGCGGGAGCGGTACACAACTCCCGTTGGCCAGGATA
CCCTAATCACTGAGGAAGTGATTGGAGATTTGAAGCCAGGCACTGAATATCAAGTAAGCGTAGCAGCCTA
CAGTCAGACTGGCAAGGGGAGGCTTAGCTTCCCTCGACATGTGACCACTTTGTCTCAAGATTCCTGCCTG
CCCCCTGCAGCACCCCAACAGCCACATGTCTTGTGGTTTCTGATTCTGAAGTGGCCCTTTCTTGGAGAC
CTGGAGAGAATGAAGGAAGTGCCCAATTCAGTCTACTCTGTGGAATTCATTAGACCAGATTTTGACAA
GAGCTGGACCAATAATCCAAGAGCGCCTGCAGATGGACTCCATGGTTATCAAAGGCCTTGATCCAGATACC
AACTACCAGTTTGCTGTGAAAGCCATGAATGCTCACGGCTTCAGTCCGCGCAGCTGGCCAGCAACCCG
TCCGAACCCTGGGTCCCGGGGAGGCTGGAAGTGGTCATTATGGACCTGGGTATATACCAATCCCGGTGT
GAGTGAAGATGATGATGGATCTGAAGACGAAGTGGACTGGATGTATCCTTTGAGGAGGTTAAACCACTT
CCTGCTACCAAAGTTGGGAATAAGAAGTCTCAGTGGAGTCCAAGAAGACTTCTGTCTCCAACCTCAGTGA
TGGGCTCCAGACTCGCCCAACCTACCTCAGCCTCTCTCCAGAACTACAGTGGCCATCCCAACCCACACC
AGCCCAACGGAAGGGGAAGAAGTGTGGCCATGATGTCAAGGCTCTTTGACATGTCTGTGATGAAACT
CTCTGTTCACTGACAGCTTCTGTGTAATGACTACGCCTGGGGGGCTCACGATGCCATTGCAACCTGG
GCAAAGGAGGCGAGGCTGCTCAGAAGATATCTTTATTAGTATCCTCAGTTCTTTGGCCACTCCTACGT
AACCTTTGAGCCTCTGAAGAAGTCTTATCAGGCATTTTCAAGTTACTCTGGAGTTCAGGGCAGAGGCGGAG
GATGGCTTGTGCTCTACTGCGGAGAGAGTGGACCGGAAGAGGAGACTTCATGTCCTGGCTCTCATCC
GGCGGTCCCTCCACTTCAGGTTTAAATTGTGGAAGTGGGATTGCCATCATCATAAGTGAGACCAAAATCAA
ACTTGGGGCTGCATACGGTGACTGTACAGAGATGGCCTGAATGGGATGCTGCAGTTGAATAATGGC



ACCCCAGTGACAGGCCAGTCCCAGGGTCAGTACAGTAAAATTACCTTCCGGACACCTCTGTACCTCGGGG
 GCGCTCCCAGTGTACTGGCTGGTCAGAGCAACAGGGACAAACCGTGGCTTCCAAGGCTGTGTGCAGTC
 ACTTTCTGTTAATGGGAAGAAGATTGACATGAGGCCCTGGCCATTAGGAAAAGCCCTCAATGGAGCTGAT
 GTTGGGGAGTGCAGCAGTGGGATCTGTGACGAAGCCTCTGCATCCACGGGGGCACCTGCGCAGCCATCA
 AGGCCGACTCTACATCTGCCTCTGTCCCCTTGGGTTTCCAGAGTGCAGACTGTGAAGATGCTTTTGCCT
 GACCATCCCTCAGTTCAGAGAGTCGTGAGGTCCTATGCTGCCACACCCTGGCCCCTGGAGCCTCAGCAT
 TATCTTTCTTCCACCGAGTTCGAGATCACCTTTCCGGCCAGACTCGGGGGATGGTGTCTTTTGTACAGCT
 ACGACACGGGCAGCAAGGACTTCTCTCCATCAATATGGCTGCGGGCCAGTGGAATTCCGCTTCGACTG
 TGGTTCTGGGACGGGAGTTCTCAGGAGTGGGCTCCCCTCACCTAGGCCAATGGCATGACCTACGTGTG
 TCTCGCACAGCGAAGAATGGGATCTTACAGGTGGACAAGCAGAAGGTGGTAGAGGAATGGCAGAGGGAG
 GCTTACCAGATTAAGTGAATACGGACATTTTATTGGTGGAGTCCCAAATTACGATGATGTCAAGAA
 GAACTCGGGGATCCTCCATCCATTTAGTGGGAGCATTGAGAAGATCATCTCAACGACCGGACCATCCAT
 GTGAAGCATGACTTTACATCGGGCGTGAATGTGGAGAACGCAGCCACCCTGTGTAGGGGCCCTGTG
 CCCATGGGGCAGCTGTGGCCAGGAAGGAGGTTATGAGTGCAGTGTCCCTTGGGCTCGAAGGCCCT
 GAACTGCCAGAAAGCTATTATAGAAGCCATCGAGATCCCACAGTTCATCGGCCGAGCTACCTGACGTAT
 GACAACCCAAATATCCTCAAGAGGGTGTCTGGATCGAGGTCAAATGCGTTTCATGAGGTTTAAAGACAACCG
 CCAAGGATGGCCTGTTGCTGTGGAGGGGGACAGCCCCATGAGACCTAACAGTGACTTCATTTCCCTGGG
 TCTTCGGGATGGAGCCCTGATATTACAGTACAACCTGGGAGTGGCGTGGCTTCCATCATGGTGAACGGT
 TCCTTCAGCGATGGCCGGTGGCACCAGTCAAGGCTGTGAGGGATGGCCAGTCCGGGAAGATTACAGTGG
 ATGACTACGGAGCCAGAACAGGCAAGTCAACGGCTTGTGCGGCAGCTTAACATCAACGGTGTCTGTGA
 CGTGGGTGGAATGAAGGAAATCGCTCTGCACACGAACAGACAATACCTGCGAGGCCTTGTGGGCTGCATC
 TCCCATTTCACTGTCCACCGATTACCACATTTCCCTCGTGAAGACGCCGTGGATGGGAAGAATCA
 ACACTTGTGGGGCTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223436 representing NM_178748
 Red=Cloning site Green=Tags(s)

MDLISTFSLHFLLLACSLPPGAVSLRALTALRKSGKVGPPDLIKLGLNCTAFSIQWKTPKRSGSSIIIGYTV
 FYSEVGSDDKSLRERSHNVPVQDTLITEEVIGDLKPGTEYQVSVAAAYSQTGKGRLSFPRHVTTLSQDSCL
 PPAAPQQPHVLVVSDEVALSWRPGENEGSAPIQSYSVEFIRPDFDKSWTIIQERLQMDSMVIKGLDPDT
 NYQFAVKAMNAHGFSPRSWPSNTVRTLGPGEAGSGHYGPGYITNPGVSEDDDGSEDELDLVSFEEVKPL
 PATKVGNNKFSVESKKTSVNSVMGSRLAQPTSASLHETTVAIPPTPAQRKGNKSVAMMSRLFDMSDET
 LCSADSFVNDYAWGSRCHCNLKGGEACSEDFIQYPQFFGHSYVTFEPLKNSYQAFQVTFEFAEAE
 DGLLL YCGESEHGRGDFMSLAL IRRSLHFRFNCGTGIAII ISETKIKLGAWHTVTL YRDGLNGLQLNNG
 TPVTGQSQGYSKITFRTPLYLGGAPSAWLV RATGTNRGFQGCVQSL SVNGKKIDMRPWPLGKALNGAD
 VGECSGICDEASCIHGGTCAAIAKADSYICL CPLGFRGRHCEDAFAL TIPQFRESLSRYAATPWPLEPQH
 YLSFTEFEITFRPDSGDVLLYSYDTGSKDFLSINMAAGHVEFRFDCGSGTGVL RSEAPLTLGQWHDLRV
 SRTAKNGILQVDKQKVVEGMAEGGFTQIKCNTDIFIGGVPNYDDVKNSGILHPFSGSIQKIILNDRTH
 VKHDFTSGVNVENAAHPCVGAHGGSCRPRKEGYECDPLGFEGLNQC KAIIEAIEIPQFIGRSYLT
 DNPNI LKRVSGRSNAFMRFKTTAKDGLL WRGDSMPRPNSDFISLGLRDGALIFSYNLGSGVASIMVNG
 SFSDGRWHRVKA VRDQSGKITVDDYGARTGKSPGLMRQLNINGAL YVGGMKEIALHTNRQYLRGLVGI
 SHFTLSTDYHISLVEDAVDGNINTCGAK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<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.
RefSeq:	NM_178748.5 , NP_848863.1
RefSeq Size:	4778 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]