

Product datasheet for **MG211456**

Egflam (BC095994) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Egflam (BC095994) 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:	>MG211456 representing BC095994 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTTAATCTCAACCTTCTCGCTCCATTTCTGCTCCTGGCCTGCAGCCTCCACCCGGCGCTGTGT
CACTCCGAACGGCTCTGCGAAAATCAGGCAAGGTGGGACCTCCTTTGACATCAAGCTGGGAGCCTTGAA
CTGTACAGCTTTCAGCATCCAGTGGAAAACACCAAAGCGTTCTGGTAGCTCCATCATTGGCTACACAGTG
TTTTACTCTGAGGTTGGTTCAGATAAGTCCCTGCGGGAGCGGTACACAACTCCCGTTGGCCAGGATA
CCCTAATCACTGAGGAAGTGATTGGAGATTTGAAGCCAGGCACTGAATATCAAGTAAGCGTAGCAGCCTA
CAGTCAGACTGGCAAGGGGAGGCTTAGCTTCCCTCGACATGTGACCACTTTGTCTCAAGATTCCTGCCTG
CCCCCTGCAGCACCCCAACAGCCACATGTCTTGTGGTTTCCGATTCTGAAGTGGCCCTTTCTTGGAGAC
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GAGCTGGACCATAATCCAAGAGCGCCTGCAGATGGACTCCATGGTTATCAAAGGCCTTGATCCAGATACC
AACTACCAGTTTGTGTGAAAGCCATGAATGCTCACGGCTTCAGTCCGCGCAGCTGGCCAGCAACACCG
TCCGAACCCTGGGTCCCGGGGAGGCTGGAAGTGGTCATTATGGACCTGGGTATATACCAATCCCGGTGT
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ACCCAGTGACAGGCCAGTCCCAGGGTCAGTACAGTAAAATTACCTTCCGGACACCTCTGTACCTCGGGG
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 GCTTAACATCAACGGTGTCTGTACGTGGTGAATGAAGGAAATCGCTCTGCACACGAACAGACAATAC
 CTGCGAGGCCCTTGTGGGCTGCATCTCCATTTCACTGTCCACCGATTACCACATTTCCCTCGTGAAG
 ACGCCGTGGATGGGAAGAACATCAACACTTGTGGGGCTAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211456 representing BC095994
 Red=Cloning site Green=Tags(s)

MDLISTFSLHFLLLACSLPPGAVSLRALTALRKSGKVGPPDLIKLALNCTAFSIQWKTPKRSGSSIIIGYTV
 FYSEVGSDDKSLRERSHNVPVQDTLITEEVIGDLKPGTEYQVSVAAAYSQTGKGRLSFPRHVTTLSQDSCL
 PPAAPQQPHVLVVDSEVALSWRPGENEGSAPIQSYSVEFIRPDFDKSWTIIQERLQMDSMVIKGLDPDT
 NYQFAVKAMNAHGFSPRSWPSNTVRTLGPGEAGSGHYGPGYITNPGVSEDDDGSEDELDLDSFEEVKPL
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 DGLLL YCGESEHGRGDFMSLAL IRRSLHFRFNCGTGIAII ISETKIKLGAWHTVTL YRDGLNGLQLNNG
 TPVTGQSQQYSKITFRTPLYLGGAPSAWLV RATGTNRGFQGCVQSL SVNGKKIDMRPWPLGKALNGAD
 VGECSGICDEASCIHGGTCAAIAKADSYICL CPLGFRGRHCEDAFAL TIPQFRESLSRYAATPWPLEPQH
 YLSFTEFEITFRPDSGDVLLYSYDTGSKDFLSINMAAGHVEFRFDCGSGTGVL RSEAPLTLGQWHDLRV
 SRTAKNGILQVDKQKVVEGMAEGGFTQIKCNTDIFIGGVPNYDDVKNSGILHPFSGSIQKIILNDRTH
 VKHDFTSVNVNAAHPCVGAHGGSCRPRKEGYECDPLGFEGLNQKQKECGNHCLNTIIEAIEIPQF
 IGRSYLTYDNPNILKRVSGSRSNAMRFKTTAKDGLLLWRGDSMPMRNSDFISLGLRDGALIFSYNLGSG
 VASIMVNGSFSDGRWHRVKA VRDQSGKITVDDYGARTGKSPGLMRQLNINGALYVGGMKEIALHTNRQY
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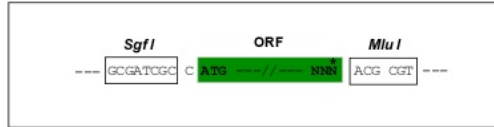
TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: BC095994

ORF Size: 3051 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: [BC095994.1](#)
RefSeq Size: 4102 bp

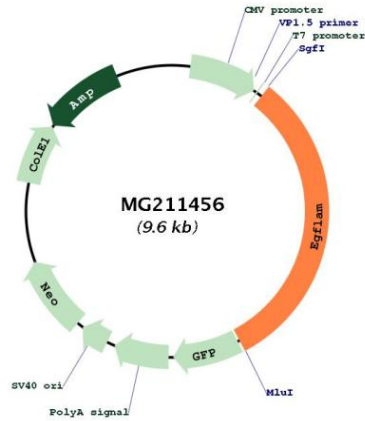
RefSeq ORF: 3053 bp

Locus ID: 268780

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]

Product images:



Circular map for MG211456