OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC216705

EGFLAM (NM_182798) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EGFLAM (NM_182798) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EGFLAM
Synonyms:	AGRINL; AGRNL; PIKA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC216705 representing NM_182798
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATCCAGGCCCTGAGGAGGCGGGAAGTGGCCGCTATGGACCCCGTTATATCACCGACATGGGAGCTG
GTGAGGATGATGAAGGATTTGAAGACGACTTAGATTTGGATATTTCCTTTGAGGAGGTTAAACCACTTCC
TGCTACCAAAGGAGGGAATAAGAAATTTTTGGTGGAAAGCAAGAAGATGTCTATATCTAACCCAAAGACC
ATTTCTAGGCTCATCCCCCCTACCTCAGCATCTCTCCCTGTGACCACGGTGGCTCCCCAGCCCATTCCCA
TACAGAGAAAGGGGAAGAATGGTGTGGCCATAATGTCAAGGCTCTTTGACATGCCTTGTGATGAAACTCT
CTGCTCTGCTGACAGCTTCTGTGTCAATGACTACACCTGGGGGGGCTCGCGATGCCAGTGCACCCTGGGC
AAAGGTGGTGAGAGCTGCTCAGAAGATATTGTTATCCAGTATCCTCAGTTCTTTGGCCACTCCTATGTAA
CGTTTGAACCTCTGAAGAATTCTTATCAGGCATTTCAAATTACTCTTGAATTTAGGGCGGAGGCAGAGGA
TGGCTTACTGCTCTACTGTGGGGAGAACGAACACGGGAGGGGGGATTTCATGTCCCTGGCTATCATCCGA
CGCTCCCTGCAGTTCAGGTTTAATTGTGGAACTGGGGTTGCCATCATCGTAAGTGAGACCAAAATCAAAC
TAGGGGGTTGGCACATGGTTATGCTCTACAGAGATGGGCTGAACGGGCTGCTGCAGCTGAACAATGGCAC
CCCAGTGACAGGCCAGTCTCAGGGCCAATACAGTAAAATTACTTTCCGGACACCTCTCTATCTTGGTGGC
GCTCCCAGCGCTTACTGGTTGGTTAGAGCAACAGGGACAAACCGAGGCTTTCAAGGCTGTGTGCAGTCGC
TCGCTGTGAATGGGAGGAGAATTGACATGAGGCCCTGGCCCCTGGGAAAAGCACTCAGTGGGGCTGATGT
GGGGGAATGCAGCAGTGGAATCTGTGATGAGGCCTCGTGCATCCATGGTGGCACCTGCACAGCAATCAAA
GCCGACTCCTACATTTGCCTCTGTCCCCTTGGGTTTAAAGGTCGACACTGTGAAGATGCTTTCACCTTGA
CCATTCCTCAGTTCAGAGAGTCTCTGAGATCTTACGCTGCAACTCCCTGGCCACTGGAGCCCCAGCATTA
CCTTTCCTTCATGGAATTTGAGATCACATTTCGGCCAGACTCAGGAGATGGTGTCCTCCTGTACAGCTAT
GACACAGGCAGCAAAGACTTCCTGTCCATCAACTTGGCAGGGGGCCACGTGGAGTTCCGCTTTGACTGTG
GCTCTGGGACCGGTGTCCTCAGGAGTGAAGATCCCCTCACCCTGGGCAACTGGCACGAGCTTCGTGTATC
TCGCACAGCAAAGAATGGAATCTTACAGGTGGATAAGCAGAAGATAGTGGAGGGAATGGCAGAGGGAGGC
TTCACACAGATTAAGTGCAACACAGACATTTTCATTGGCGGAGTCCCCAATTATGATGATGTGAAGAAGA
ACTCGGGTGTCCTGAAGCCTTTCAGCGGGAGCATCCAGAAGATCATCCTGAATGACCGAACCATCCATGT
GAAGCATGACTTCACCTCCGGAGTGAATGTGGAGAATGCGGCCCACCCCTGTGTGAGAGCCCCTTGTGCC
CATGGGGGCAGCTGCCGGCCCAGGAAGGAGGGCTATGACTGTGACTGCCCCTTGGGCTTTGAGGGGCTTC
ACTGCCAGAAAGCGATCATAGAAGCCATTGAGATCCCGCAGTTTATCGGCCGCAGTTACCTGACGTATGA
CAACCCAGATATCTTGAAGAGGGTGTCAGGATCAAGATCAAATGTGTTCATGAGGTTTAAAACAACTGCC
AAGGATGGCCTTTTGCTGTGGAGGGGAGACAGCCCCATGAGACCCAACAGCGACTTCATTTCCTTGGGCC
TTCGGGATGGAGCCCTCGTGTTCAGCTATAACCTGGGCAGTGGTGTGGCATCCATCATGGTGAATGGCTC
CTTCAACGATGGTCGGTGGCACCGAGTTAAGGCCGTTAGGGATGGCCAGTCAGGAAAGATAACCGTGGAT
GACTATGGAGCCAGAACAGGCAAATCCCCAGGCATGATGCGGCAGCTTAACATCAATGGAGCTCTGTATG
TGGGTGGAATGAAGGAAATTGCTCTGCACACTAACAGGCAATATATGAGAGGGCTCGTGGGCTGTATCTC
TCACTTCACCCTGTCCACCGATTACCACATTTCCCTCGTGGAAGATGCCGTGGATGGGAAAAACATCAAC
ACTTGTGGAGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216705 representing NM_182798
Red=Cloning site Green=Tags(s)

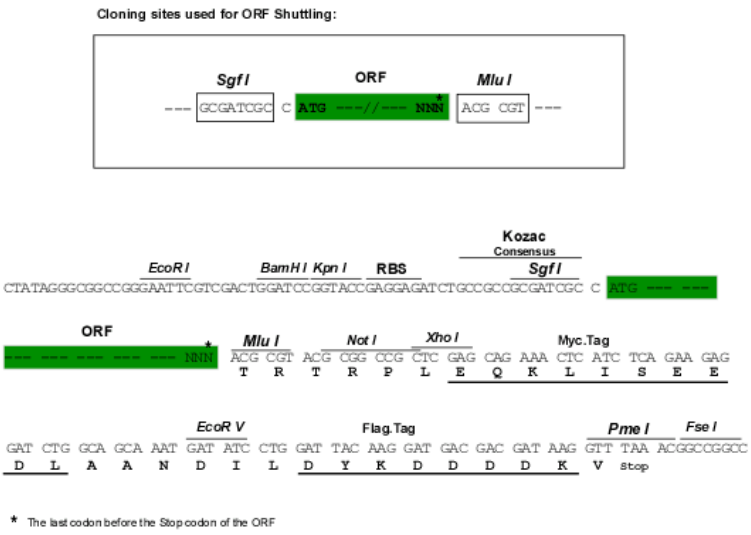
MHPGPEEAGSGRYGPRYITDMGAGEDDEGFEDDLDLDISFEEVKPLPATKGGNKKFLVESKKMSISNPKT
ISRLIPPTSASLPVTTVAPQPIPIQRKGKNGVAIMSRLFDMPCDETLCSADSFCVNDYTWGGSRCQCTLG
KGGESCSEDIVIQYPQFFGHSYVTFEPLKNSYQAFQITLEFRAEAEDGLLLYCGENEHGRGDFMSLAIIR
RSLQFRFNCGTGVAIIVSETKIKLGGWHMVMLYRDGLNGLLQLNNGTPVTGQSQGQYSKITFRTPLYLGG
APSAYWLVRATGTNRGFQGCVQSLAVNGRRIDMRPWPLGKALSGADVGECSSGICDEASCIHGGTCTAIK
ADSYICLCPLGFKGRHCEDAFTLTIPQFRESLRSYAATPWPLEPQHYLSFMEFEITFRPDSGDGVLLYSY
DTGSKDFLSINLAGGHVEFRFDCGSGTGVLRSEDPLTLGNWHELRVSRTAKNGILQVDKQKIVEGMAEGG
FTQIKCNTDIFIGGVPNYDDVKKNSGVLKPFSGSIQKIILNDRTIHVKHDFTSGVNVENAAHPCVRAPCA
HGGSCRPRKEGYDCDCPLGFEGLHCQKAIIEAIEIPQFIGRSYLTYDNPDILKRVSGSRSNVFMRFKTTA
KDGLLLWRGDSPMRPNSDFISLGLRDGALVFSYNLGSGVASIMVNGSFNDGRWHRVKAVRDGQSGKITVD
DYGARTGKSPGMMRQLNINGALYVGGMKEIALHTNRQYMRGLVGCISHFTLSTDYHISLVEDAVDGKNIN
TCGAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4359_b09.zip

Restriction Sites: SgfI-MluI

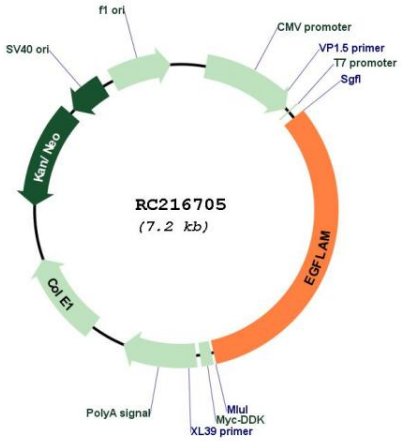
Cloning Scheme:



ACCN:	NM_182798
ORF Size:	2325 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_182798.3
RefSeq Size:	4142 bp
RefSeq ORF:	2328 bp
Locus ID:	133584
UniProt ID:	Q63HQ2
Cytogenetics:	5p13.2-p13.1
Protein Families:	Transmembrane
MW:	84.6 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC216705