

Product datasheet for **RC233191**

EGFLAM (NM_001205301) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EGFLAM (NM_001205301) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: EGFLAM
Synonyms: AGRINL; AGRNL; PIKA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC233191 representing NM_001205301
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATTTAATCCGAGGCGTCTTGCTCCGGCTCCTGCTCCTGGCTTCCAGCCTCGGACCCGGCGCGGTG
CGCTCCGAGCGGCATCCGAAAACCAGGCAAGGTAGGGCCTCCTCTTGACATCAAGCTGGCGCATTGAA
CTGTACGGCTTTCAGCATCCAGTGGAAAATGCCAAGGCATCCTGGAAGTCCATCCTTGGGTACTGTGTC
TTTTACTCTGAGGTTGGCGCAGATAAATCCCTGCAGGAGCAGTTGCACAGCGTGCCTCTCAGCCGGGACA
TCCCGACCACGGAGGAAGTGATTGGAGATTTGAAACCAGGCACTGAATATCGTGTGAGCATTAGCAGCTTA
CAGCCAGGCTGGCAAAGGGCGGCTGAGCTCTCCTCGGCATGTCACCACTTTGTCCCAAGATTCTGCCTG
CCTCCTGCAGCTCCCCAGCAGCCACATGTCATTGTGGTTTCGGATTCTGAGGTGGCCCTGTCTTGAAAC
CTGGAGCGAGTGAAGGAAGCGCCCTATTCAGTACTATTCTGTGGAATTCATCAGGCCAGATTTGACAA
GAAGTGGACCTCAATCCATGAGCGGATCCAGATGGACTCCATGGTTATCAAGGGCCTCGATCCAGATACC
AACTACCAGTTTGCCGTGAGGGCAATGAATCCCATGGCCCCAGCCCCGAGCTGGCCAGTGACATCA
TCCGGACCCTCTGCCCTGAGGAGCGGGAAGTGGCCGCTATGGACCCGTTATATCACCGACATGGGAGC
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CCTGCTACCAAAGGAGGGAATAAGAAATTTTTGGTGGAAAGCAAGAAGATGTCTATATCTAACCCAAAGA
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CATACAGAGAAAGGGGAAGAATGGTGTGGCCATAATGTCAAGGCTCTTTGACATGCCTTGTGATGAACT
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 GCTCGCTGTAATGGGAGGAGAATTGACATGAGGCCCTGGCCCCTGGGAAAAGCACTCAGTGGGGCTGAT
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 AAGCCGACTCCTACATTTGCCTCTGTCCCCTGGGTTTAAAGGTCGACACTGTGAAGATGCTTTCACCTT
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 TACCTTTCCTTCAATGGAATTTGAGATCACATTTCCGCCAGACTCAGGAGATGGTGTCTCCTGTACAGCT
 ATGACACAGGCAGCAAAGACTTCTGTCCATCACTTGGCAGGGGCCACGTGGAGTCCGCTTTGACTG
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 TCTCGCACAGCAAAGAATGGAATCTTACAGGTGGATAAGCAGAAGATAGTGGAGGAATGCCAGAGGGAG
 GCTTCACACAGATTAAGTGAACACAGACATTTTCATTGGCGGAGTCCCCAATTATGATGATGTGAAGAA
 GAACTCGGGTGTCTGAAGCCTTTCAGCGGGAGCATCCAGAAGATCATCTGAATGACCGAACCATCCAT
 GTGAAGCATGACTTACCTCCGGAGTGAATGTGGAGAATGCGGCCACCCCTGTGTGAGAGCCCCTGTG
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 TCACTGCCAGAAAGAGTGTGGAACTACTGCCTCAATACGATCATAGAAGCCATTGAGATCCCGCAGTTT
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 CAACAGCGACTTCATTTCTTGGGCCTTCGGGATGGAGCCCTCGTGTTCAGCTATAACCTGGGCAGTGGT
 GTGGCATCCATCATGGTGAATGGCTCCTTCAACGATGGTCGGTGGCACCGAGTTAAGGCCGTTAGGGATG
 GCCAGTCAGGAAAGATAACCGTGGATGACTATGGAGCCAGAACAGGCAAAATCCCCAGGCATGATGCGGCA
 GCTTAACATCAATGGAGCTCTGTATGTGGGTGGAATGAAGGAAATGCTCTGCACACTAACAGGCAATAT
 ATGAGAGGGCTCGTGGGCTGTATCTCTCACTTACCCTGTCCACCGATTACCACATTTCCCTCGTGAAG
 ATGCCGTGGATGGGAAAAACATCAACACTTGTGGAGCCAAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>RC233191 representing NM_001205301
 Red=Cloning site Green=Tags(s)

MDLIRGVLLRLLLLASSLGPVAVSLRAAIRKPGKVGPPDLIKLGNLCTAFSIQWKMPRHPGSPILGYTV
 FYSEVADKSLQQLHSVPLSRDIPTEEVIGDLKPGTEYRVSIAAYSQAGKGRLLSPRHVTLSQDSCL
 PPAAPQQPHVIVVSDSEVALSWKPGASEGSAPIQYYSVEFIRPDFDKWTSIHERIQMDSMVIKGLDPDT
 NYQFAVRAMNSHGSPRSWPSDIIRTLCPPEAGSGRYGPRYITDMGAGEDDEGFEDDLDLDISFEEVKPL
 PATKGGNKKFLVESKKMSISNPKTISRLLIPPTSASLPVTTVAPQPIPIQRKGNKVAIMSRLFDMPCDET
 LCSADSFVNDYTWGSRQCCTLGKGGESCEDIVIQYPQFFGHSYVTFEPLKNSYQAFQITLFRFAEAE
 DGLLL YCGENEHGRGDFMSLAIIRRSQFRFNCGTGVAIIVSETKIKLGGWHTVMLYRDGLNGLLQNNG
 TPVTGQSQGYSKITFRTPLYLGGAPSAWLV RATGTNRGFQGCVQSLAVNGRRIDMRPWPLGKALSGAD
 VGECSGICDEASCIHGGTCTAIKADSYICLPLGFKGRHCEDAFTLTIPQFRESLSRYAATPWPLEPQH
 YLSFMEFEITFRPDSGDVLLYSYDTGSKDFLSINLAGGHVEFRFDCGSGTGVLRSEDPLTLGNWHELRY
 SRTAKNGILQVDKQKIVEGMAEGGFTQIKCNTDIFIGGVPNYDDVKNSGVLPKPFSGSIQKIILNDRTH
 VKHDFTSVNVENAAHPCVRAPCAHGGSCRPRKEGYDCDPLGFEGHLCQKECGNYCLNTIIEAIEIPQF
 IGRSYLTYDNPDI LKRVSGRSNVFMRFKTTAKDGLLLWRGDSMPMRNSDFISLGLRDGALVFSYNLGS
 VASIMVNGSFNDGRWHRVKA VRDQSGKITVDDYGARTGKSPGMMRQLNINGALYVGGMKEIALHTNRQY
 MRGLVGCISHFTLSTDYHISLVEDAVDGKNINTCGAK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-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_001205301.2
RefSeq Size:	4894 bp
RefSeq ORF:	3054 bp
Locus ID:	133584
UniProt ID:	Q63HQ2
Cytogenetics:	5p13.2-p13.1
Protein Families:	Transmembrane
MW:	111.7 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]