

## Product datasheet for **SC107551**

### EGFLAM (NM\_182801) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EGFLAM (NM_182801) Human Untagged Clone
Tag:	Tag Free
Symbol:	EGFLAM
Synonyms:	AGRINL; AGRNL; PIKA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107551 sequence for NM_182801 edited (data generated by NextGen Sequencing)

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ATGAGGTTTAAAAACAACCTGCCAAGGATGGCCTTTTGCTGTGGAGGGGAGACAGCCCCATG
AGACCCAACAGCGACTTCATTTCCCTTGGGCCTTCGGGATGGAGCCCTCGTGTTTCAGCTAT
AACCTGGGCAGTGGTGTGGCATCCATCATGGTGAATGGCTCCTTCAACGATGGTCGGTGG
CACCGAGTTAAGGCCGTTAGGGATGGCCAGTCAGGAAAGATAACCGTGGATGACTATGGA
GCCAGAACAGGCAAATCCCCAGGCATGATGCGGCAGCTTAACATCAATGGAGCTCTGTAT
GTGGGTGGAATGAAGGAAATTGCTCTGCACACTAACAGGCAATATATGAGAGGGCTCGTG
GGCTGTATCTCTCACTTCACCCTGTCCACCGATTACCACATTTCCCTCGTGAAGATGCC
GTGGATGGGAAAAACATCAACACTTGTGGAGCCAAGTAA
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Clone variation with respect to NM\_182801.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_182801 unedited GATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAATCATGCTG AGGAGAGATTTCCAGTGGTTCCCGCGGGGCTCATATTCACATTCCTAAGAGGACGTTCC TGGACTCTCGGGCAGAGCTTTGTGAGAGAAACAAGGCTGGCTTCAAGTGATCTGCAACCA GAGTAATTGGGATTTGACAAGGACTGTGAAAGGCTGACTCTCCCTGTTCTCTTTTCATGCT GGCACCGGGCAGAGTGTGGGAACACTGCCTCAATACGATCATAGAAGCCATTGAGATCC CGCAGTTTATCGGCCGAGTTACCTGACGTATGACAACCCAGATATCTTGAAGAGGGTGT CAGGATCAAGATCAAATGTGTTTCATGAGGTTTAAACAACACTGCCAAGGATGGCCTTTTGC TGTGGAGGGGAGACAGCCCCATGAGACCCAACAGCGACTTCATTTCTTGGGCCTTCGGG ATGGAGCCCTCGTGTTCAGCTATAACCTGGGCAGTGGTGTGGCATCCATCATGGTGAATG GCTCCTTCAACGATGGTCGGTGGCACCGAGTTAAGGCCGTTAGGGATGGCCAGTCAGGAA AGATAACCGTGGATGACTATGGAGCCAGAACAGGCAAATCCCCAGGCATGATGCGGCAGC TTAACATCAATGGAGCTCTGTATGTNNGGTGAAATGAAAGAAAATTGCTCTGCACACTA ACAGGCAATATATGAGAGGCTTCGNGGGGCTGTATCTCTCACTTACCCTGTCCACCGAT TACCACATTTNCCTCCGTGGAGATGCCCGGGGAATGGGAAAAACATCAACACCTTGTGGA AGCCAGTAACACCAGCTGGGCCTTGNNNCAGGGGACAGAGGCCTTCTTTTCTGAAC
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_182801 unedited TTTTTTTTTTTTTTTTTGGTCTCCTTCCATCTTTTTTTTATGGGACTAGTCAGAACACAG TGAACCAGCCAGTGAGGAGTGAAGGGTTAATCCGAACAATCCAAGGGCCAATGTGGNG AAATGTGAAGTTCAAGGTCACACAGTCATTCTGCTGTCAGGAAGAGTGTCATGAGTCAGG GAAGGAGAGAAGTATTTAATAGTGCCCTGTGGGATTCTTCTCTCTCTCTCTTTTTTA ATGTACTATG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_182801
<b>Insert Size:</b>	1400 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_182801.1</a> , <a href="#">NP_877953.1</a>
<b>RefSeq Size:</b>	2228 bp
<b>RefSeq ORF:</b>	459 bp
<b>Locus ID:</b>	133584
<b>UniProt ID:</b>	<a href="#">Q63HQ2</a>

**Cytogenetics:** 5p13.2-p13.1

**Protein Families:** Transmembrane

**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]  
Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (4) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.