

## Product datasheet for RC212407

### MEGF11 (NM\_032445) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: MEGF11 (NM\_032445) Human Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: MEGF11  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RC212407 representing NM\_032445  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTGCTCTCCCTGACGGGGCTCATTGCCTTCTCCTTCCTGCAAGCCACCCTTGCCTGAACCCCGAGG  
 ACCCAACGTGTGCAGCCACTGGGAGAGCTATGCTGTGACTGTCCAGGAATCGTATGCACACCCCTCGA  
 TCAGATCTATTACACAGCATGCACAGACATCCTCAACTGGTTCAAGTGCACCAGGCACCGGATCAGTTAT  
 AAGACGGCGTATCGGAGAGGCCCTCCGGACCATGTACCGGGGAGGTCCCAGTGTGCCCTGGCTACTATG  
 AGAGCGGAGACTTCTGCATACCCCTGTGTACGGAGGAGTGTGTGCACGGCCGCTGCGTTTTCCCGGACAC  
 CTGCCACTGCGAGCCTGGCTGGGGAGGGCCCGACTGCTCCAGCGGCTGCGACAGCGACCACTGGGGGCC  
 CACTGCAGCAACCGGTGCCAGTGCAGAACGGCGCCCTGTGTAACCCCATCACAGGCGCTGCGTGTGCG  
 CCGCCGGCTTCCGTGGATGGCGTGCAGGAGCTCTGCGCACCTGGCACCCACGGCAAGGGATGCCAGT  
 GCCGTGCCAGTCCGACACGGTGCAGCTGCGACCCCGCGCCGGGAGTGCCTCTGCGCACCTGGCTAC  
 ACCGGCGTCTACTGCGAGGAGCTGTGCCCTCCTGGGAGCCATGGAGCTCACTGTGAGCTGCGCTGCCCT  
 GTCAGAATGGGGGCACCTGCCACCACATCACTGGCGAGTGTGCCCTGCCCCAGGCTGGACGGGAGCAGT  
 GTGTGCCAGCCCTGCCACCAGGGACATTTGGCCAGAAGTGCAGCCAGGATTGTCTTGCCACCATGGA  
 GGGCAGTGTGACCACGTGACTGGACAGTGCACACTGTACAGCTGGATACATGGGGGACAGGTGCCAAGAGG  
 AGTGCCCTTCGGGTCTTCGGCTTCCAGTGTGCACAGCACTGTGACTGCCACAATGGGGGGCAGTGTTT  
 ACCCACCACGGGTGCCTGCGAGTGTGAGCCTGGCTACAAGGGCCACGCTGCCAGGAGCGACTGTGCCCG  
 GAGGGCTGCATGGCCAGGCTGCACCTGCCCTGCCCTGTGACGCTGACAACACCATCAGTGCACACC  
 CAGTAAGTGGAGCTTGTACCTGCCAGCCAGGCTGGTCTGGTCACCACTGCAATGAATCCTGCCCTGTTGG  
 CTACTATGGCGATGGCTGCCAGCTGCCTGCACCTGTGAGAATGGCGCCGACTGCCACAGCATCACTGGG  
 GGCTGCACTTGTCTCCGGCTTTCATGGGAGAGGTCTGTGCCGTTTCTGTGCAGCAGGGACCTATGGCC  
 CCAACTGCTCGTCCATCTGTAGCTGTAACAATGGTGGCACCTGCTCCCCAGTAGATGGCTCCTGTACCTG  
 CAAGGAAGGGTGGCAGGGCTGACTGCACCTGCCATGTCCCAGTGGGAGTGGGGCTGAACTGCAAC  
 GAGAGCTGCACCTGTGCCAATGGGGCAGCCTGCAGCCCCATAGACGGCTCCTGCTCCTGCACTCCTGGCT  
 GGCTGGGAGACCTGTGAGCTGCCTTGGCCGGATGGCACATTTGGGCTGAACTGCAGTGAACACTGTGA  
 CTGCAGCCATGCTGATGGATGTGACCCCGTACAGGCCACTGCTGCTGCCCGGATGGACAGGCATC



CGCTGTGACAGCACGTGTCCACCTGGCCGCTGGGGCCCCAACTGCTCTGTCTCCTGCAGCTGTGAGAATG  
 GAGGCTCTGCTCCCCAGAGGATGGGAGCTGCGAGTGTGCCCTGGCTCCGAGGACCCTTATGCCAGAG  
 AATCTGCCCCCTGGTTCTATGGCCACGGCTGCGCCAGCCATGCCCTCTGCGTGCACAGCAGCAGG  
 CCCTGCCACCACATCAGCGGCATCTGTGAGTGCCTCCCAGGATCTCTGGAGCTCTTGAACCAAGTGT  
 GTGCTGGAGGATACTTTGGGCAGGACTGTGCCAGCTCTGCTCCTGTGCCAACACGGGACCTGCAGCCC  
 TATCGATGGTCTCTGCCAGTGTCTTCTGGATGGATTGGCAAGGACTGCTCACAGGCTTGCCACCCGGG  
 TTCTGGGCCCCGCTTCCACGCATGCAGTGCACAAACGGGGCGAGCTGCAGCCTCCGAGGACGGGG  
 CCTGCCACTGCACCCCTGGCTGGACTGGACTCTTCTGCACACAGCGCTGCCAGCAGCATTTTTTGGGAA  
 GGACTGTGGGCGCGTATGCCAGTGTGAGAATGGCGCCAGCTGTGACCACATCAGTGGCAAGTGCACCTGC  
 CGCACAGGCTTACCAGGCAACACTGTGAGCAGAGATGTGCCAGGAACCTTTGGCTATGGGTGTCAGC  
 AGCTATGTGAGTGCATGAACAACCTCCACCTGTGACCATGTACCAGGACCTGTTACTGCAGCCTGGCTT  
 CAAAGGAATCAGGTGTGACCAAGCTGCCCTCATGATGGAGGAGCTGAATCCCTACACCAAGATCAGCCCA  
 GCACTGGTGCAGAGCGGCACTCGGTGGTGTGTACAGGCATCATGCTCCTGTATTCTCATTGTGG  
 TGCTGCTGGGCTATTTGCTGGCATCGGCGGCGCAGAAAGAGAAGGGCCGAGACCTGGCTCCCGTGT  
 CTCTACACACCTGCCATGAGGATGACCAGCACCAGCTACTCCCTCAGGTGCTTGTGGATGGATAGA  
 CGTCAGAACACATACATTATGGACAAAGGCTTCAAAGATTACATGAAAGAATCCGTGTGCAGTCTAGTA  
 CTTGTTCTTGAATAGCAGTGAAAACCTTACGCCACAATTAAGGACCCACCCATCCTCACCTGCAAGCT  
 TCCAGAAAGCAGCTATGTAGAAATGAAGTGCCTGTGCACATGGGGTCTCCGTACACAGATGTGCCATCC  
 TTGTGACATCTAATAAAAAATATATGAAGTTGAGCCACAGTCAGTGTGGTCCAAGAAGTTGCGGTC  
 ATAACCTCAGCTATATCCAGAATGCATACGACCTACCTAGGAACAGCCATATTCTGGTCATTATGACCT  
 CCTCCAGTAAGACAGAGCCCTGCCAATGGGCCGTCCCAGGACAAGCAATCT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC212407 representing NM\_032445  
 Red=Cloning site Green=Tags(s)

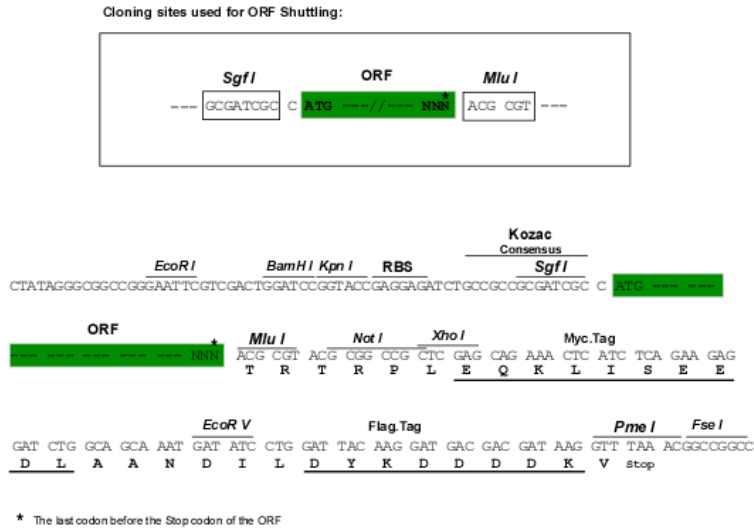
MVLSLTGLIAFSLQATLALNPEDPNVCSHWESYAVTVQESYAHFPDQIYYTRCTDILNWFKCTRHRISY  
 KTAYRRGLRTMYRRRSQCCPGYYESGDFCIPLCTEECVHGRCVSPDTHCEPGWGGPDCSSGCDSDHWGP  
 HCSNRCQONGALCNPIITGACVCAAGFRGWRCEELCAPGTHGKGCQLPCQCRHGASCDPRAGECLCAPGY  
 TGVYCEELCPPGSHGAHCELRCPCQNGGTCHHITGECACPPGWTGAVCAQPCPPGTFGQNCSDQCPCHHG  
 GQCDHVTGQCHCTAGYMGDRQEECPFGSFGFQCSQHCDCHNGGQCSPTTGACECEPGYKGPCRQERLCP  
 EGLHGPGLTLPCCDADNTISCHPVTGACTCQPGWSGHHCNESCVPVGYGDGCQLPCTCQNGADCHSITG  
 GCTCAPGFMGEVCAVSCAAGTYGPNCSSICSCNNGGTCSPVDGSCCKEHWQGLDCTLPCPSGTWGLNCN  
 ESCTCANGAACSPIDGSCSTPGWLGDTCELPCPDGTFGLNCSEHDCSHADGCDPVTGHCCLAGWTGI  
 RCDSTCPPGRWGPNCVSCSCENGGSCSPEDGSCECAPGFRGPLCQRICPPGFYHGCAQPCPLCVHSSR  
 PCHHISGICECLPGFSGALCNQVCAGGYFGQDCAQLCSCANNGTCSPIIDGSCQCFPGWIGKDCSQACPPG  
 FWGPACFHACSCHNGASCSAEDGACHCTPGWTGLFCTQRCPAAFFGKDCGRVCQCNQASCDHISGKCTC  
 RTGFTGQHCEQRCAPGTFYGCQQLCECMNNTCDHVTGTCCYSPGFKGIRCDQAALMMEELNPYTKISP  
 ALGAERHSVAVTGIMLLLFLIVLLGLFAWHRRRQKEKGRDLAPRVSYTPAMRMTSTDYLSGACGMDR  
 RQNTYIMDKGFKDYMKESVCSSTCSLNSENYPYATIKDPPILTCKLPESYVEMKSPVHMGSPTYDVP  
 LSTSNKNIYEVEPTVSVVQEGCGHNSSYIQNAYDLPRNSHIPGHYDLLPVRQSPANGPSQDKQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

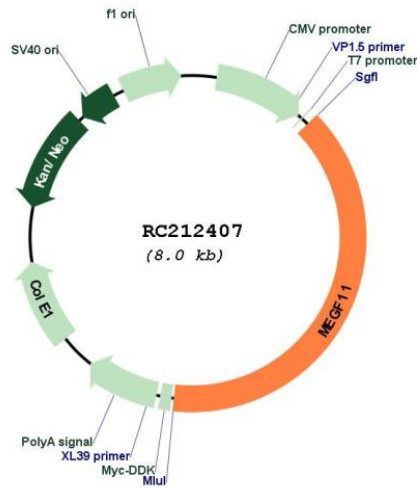
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_032445

ORF Size: 3132 bp

<b>OTI Disclaimer:</b>	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_032445.2</a> , <a href="#">NP_115821.2</a>
<b>RefSeq Size:</b>	5914 bp
<b>RefSeq ORF:</b>	3135 bp
<b>Locus ID:</b>	84465
<b>UniProt ID:</b>	<a href="#">A6BM72</a>
<b>Cytogenetics:</b>	15q22.31
<b>Domains:</b>	EGF_Lam, EGF, EGF
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	110.8 kDa
<b>Gene Summary:</b>	May regulate the mosaic spacing of specific neuron subtypes in the retina through homotypic retinal neuron repulsion. Mosaics provide a mechanism to distribute each cell type evenly across the retina, ensuring that all parts of the visual field have access to a full set of processing elements (By similarity).[UniProtKB/Swiss-Prot Function]