

Product datasheet for **MG219180**

Megf11 (NM_001134399) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Megf11 (NM_001134399) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Megf11
Synonyms: 2410080H04Rik; D130061K05
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219180 representing NM_001134399
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCGTCTGCGGTGGGCCTCCTTGTCTTCTCTGCAAGCTGCTCTTGCTCTGAACCTGAAGACC
 CCAATGTGTGTAGCCACTGGGAGAGCTATGCCGTGACTGTGCAGGAGTCTTATGCACACCCCTTTGATCA
 GATCTACTACACAGATGTGCAGACATCCTCAACTGGTTCAAGTGTACCCGGCACC GGATCAGCTATAAG
 ACCGCGTATAGGCGGGCTCCGGACCATGTACCGCGGAGGTCCAATGCTGCCCTGGCTACTATGAGA
 ACGGAGACTTCTGCATTCTCTGTGTACCGAGGAGTGCATGCACGGCCGTGTGTCTCTCCGATACCTG
 CCACTGTGAGCCTGGATGGGGAGGCCCTGACTGCTCCAGCGGCTGTGACAGCGAGCACTGGGGTCCCCAC
 TGCAAGCAACCGGTGTCAGTGTGCAAGCGGCCCTGTGCAACCCTATCACCGCGCCTGCGTGTGCGCCC
 CGGGCTTCCGAGGCTGGCGCTGTGAGGAACTCTGCGCTCCTGGTACTCACGGCAAGGGCTGCCAGTGCT
 CTGTCACTGCCACCATGGCGCCAGCTGTGACCCGCGCACTGGCGAGTGCCTCTGCGCTCCTGGCTACACA
 GGCGTTTACTGTGAGGAGCTGTGCCCCCTGGGAGCCATGGAGCTCACTGTGAGCTGCGCTGCCCTGCC
 AGAATGGAGGCACCTGCCACCACATCACTGGCGAATGTGCCTGCCCTCCAGGCTGGACGGGAGCAGTGTG
 TGCCCAGCCCTGCCCTCCAGGGACCTTTGGCCAGAAGTGTAGCCAGGACTGCTCCCTGCCACCATGGAGGC
 CAGTGTGACCATGTGACTGGCAATGCCACTGTACAGCTGGATACATGGGGGACAGGTGTCAAGAAGAAT
 GTCCTTTGGAACGTTCCGTTTCTGTGCTCTCAACGCTGTGACTGCCACAATGGAGGTCATGTTCAAC
 AGCCACAGGGGCTGTGAGTGTGAGCCTGGCTACAAGGGCCCTAGCTGCCAGGAGCGGCTATGCCCTGAG
 GGCTGATGGCCAGGCTGCACCTTGCCCTGCCCTGTGACACCGAGAACAATATCAGCTGCCATCCAG
 TACTGGAGCTTGTACCTGCCAACCAGGCTGGTCTGGCCACTACTGCAATGAGTCTGCCCGCCGGCTA
 CTATGGCAACGGTTGCCAGCTACCCTGCACCTGCCAGAACGGTGTGACTGCCACAGTATCACCGGGAGC
 TGCATTTGTCTCCAGGCTTCAATGGGAGAGGTGTGTGCCGTCCCTGTGCTGCAGGGACCTATGGTCCCA
 ACTGTTTATCTGTATGTAGCTGTAGCAACGGCGCACCTGTTCCCAAGTGGATGGCTCCTGCACCTGCCG
 AGAGGATGGCAGGGCCTGGACTGCTCCCTGCCTGTGCCAGTGGGACCTGGGGCTGAAGTCAATGAG



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ACTTGCATCTGTGCCAATGGAGCTGCCTGCAGCCCTTTGATGGGTCTGTGCCTGCACCCAGGCTGGC
 TGGGGACTCCTGTGAAGTGCCTGCCCGGACGGCACTTTGGGCTGAAGTGCAGTGCAGTTCGCGACTG
 CAGCCATGCTGATGGCTGTGACCCTGTACAGGCCACTGCTGCTGCCTGGCAGGATGGACAGGCATCCGC
 TGTGATAGCACGTGTCTCCAGGTGCTGGGGCCCAACTGTTCAAGTGTCTGCAGCTGTGAGAACGGAG
 GTTCTGCTCCCGGAGGACGGGAGCTGCGAGTGTGCCCTGGCTTTGAGGACCTTATGTCAGAGAAT
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 CTGGAGGGCACTTCGGGACGACTGTGCCAGCTCTGTTCTGTGCCAACATGGGACCTGCAGCCCAT
 CGATGGCTCCTGTGAGTCTCCCTGGGTGGATTGGCAAGGACTGCTCACAGGGTTGCCCTTTCAGCATT
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 GCACCTGTGCAACAGGCTTCTCTGGCCGCACTGTGAACAGAGATGTGCCCTGGAACCTTTGGATATGG
 GTGTCAGCAGCTATGTGAGTGCATGAACAATGCCACTTGTGACCACGTCCTGTTACTGTACTGTAGC
 CCGGGATTCAAAGGAATCAGGTGTGACCAAGCTGCCCTCATGATGGATGAGCTGAATCCCTACCCAAGA
 TCAGTCCAGCTCTGGGAGCAGAGCGGCACTCAGTGGGTGCTGTCACCGGCATCGTTCTCCTGTTGTTCT
 GGTGGTGGTGTCTGGGCTGTTTGCCTGGCGACGGAGCGGCAGAAAGAGAAAGGCCGTGACCTGGCT
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 GTAGCAGCCATGCCAGTCTTTTCCAATGCCAGTACCACACTGGCGTGTGGGGGCCCTGCCACCAG
 CCAGGCCAGCACTCTGGACAGGAACAGCCCAAGCTCAGTAAACAAGTCCCTTGACAGAGACACAGCA
 GGCTGGACCCCTACAGCTATGTGAACGTGTTAGACTCCATTTCCAGATCAGTGCCTGGAGGCCAGGT
 ACCCGCCCGAGGACTTCTACATTGAACTTAGACACCTCAGCCGCATGCTGAGCCACACTCACCAGGCAC
 TTGTGGAATGGACAGACGTCAGAACACATACATTATGGACAAAGGCTTCAAAGATTACATGAAAGAACT
 GTGTGCAGTCTAGCACTTGTCTTGAACAGCAGTGAACCCCTTACGCCACAATTAAGGACCCACCCA
 TCCTCACTGCAAGCTTCCAGAAAGCAGTTATGTAGAAATGAAGTCACTGTGCACTTGGGTCTCCGTA
 CACAGATGTGCCATCCTTGTGACATCTAATAAAAAATATATGAAGTTGAGCCACAGTCAAGTGTGGTC
 CAAGAAGGCCAGGTATAACTCCAGCTATATCCAGAATCCATACGACCTACCTAAGAACAGCCATATTC
 CTGGTCACTATGACCTCCTCCAGTAAGACAGAGCCCTGCCATGGGCCCTTCCAGGAAAAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219180 representing NM_001134399
 Red=Cloning site Green=Tags(s)

MAPSAVGLLVFLLQAALALNPEDPNVCSHWESYAVTVQESYAHFPDQIYYTRCADILNWFKTRHRISYK
 TAYRRGLRTMYRRRSQCCPGYYENGDFCIPLCTEEMHGRCVSPDTHCEPGWGGPDCSSGCDSEHWGPH
 CSNRCQCQNGALCNPIITGACVCAFGFRGWRCEELCAPGTHGKGCQLLQCHHGASCDPRTGECLCAPGYT
 GVYCEELCPPGSHGAHCELRPCQNGGTCHHITGECACPPGWTGAVCAQPCPPGTFGQNCSDPCHHGG
 QCDHVTGQCHCTAGYMGDRQEECPFGTFGLCSQRCDCHNGGQCSPATGACEPEPGYKGPSCQERLCPE
 GLHGPGLTLPCCDTENTISCHPVTGACTCQPGWSGHYCNESCPAGYYGNGCQLPCTCQNGADCHSITGS
 CTCAPGMGEVCAVPCAAGTYGPNCSVSCSNGGTCSVPDGSCTCREGWQLDCSLPCPSGTWGLNCNE
 TICANGAACSPFDGSCACTPGWLGDSCELPDGTGFLNCSEHDCDCHADGCDPVTGHCCLAGWTGIR
 CDSTCPPGRWGPNCVSCSENGGSCSPEDGSCCAPGFRGPLCQRICPPGFYGHGCAQPCPLCVHSRGP
 CHHISGICEPLPGFSGALCNQVCAGGHFGQDCAQLCSCANNGTCSPIDGSCQCFPGWIGKDCSQGCP
 SAFFGKDCGHICQCQNGASCDHITGKCTCRTGFSGRHCEQRCAAGTFYGYCQQLCECMNATCDHVTGT
 CYCSPGFKGIKRDQAALMMDLNPYTKISPALGAERHSVGAVTGIVLLFLVVLLGLFAWRRRRQKEKGRDLA
 PRVSYTPAMRMTSTDYSLSDLQSSSHAQCFSNASYHTLACGGPATSQASTLDRNSPTKLSNKSLDRDTA
 GWTPYSYVNVLDLDFQISALEARYPPDFYIELRHLRHAEPHSPGTGMDRRQNTYIMDKGFKDYMKES
 VCSSTCSLNSSENYPYATIKDPPILTCKLPESSYVEMKSPVHLGSPYTDVPSLSTSNKNIYEVEPTVSVV
 QEGRGHNSYIQNPYDLPKNSHIPGHYDLLPVRQSPAHPFPQEKQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001134399.1, NP_001127871.1</u>
RefSeq Size:	6018 bp
RefSeq ORF:	3288 bp
Locus ID:	214058
UniProt ID:	<u>Q80T91</u>
Cytogenetics:	9 C
Gene Summary:	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.[UniProtKB/Swiss-Prot Function]