

Product datasheet for **MC223567**

Megf11 (NM_001134399) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Megf11 (NM_001134399) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Megf11
Synonyms:	2410080H04Rik; D130061K05
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223567 representing NM_001134399 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCGTCTGCGGTGGGCCTCCTTGTCTTCTCTGCAAGCTGCTCTTGCTCTGAACCTGAAGACC
CCAATGTGTGTAGCCACTGGGAGAGCTATGCCGTGACTGTGCAGGAGTCTTATGCACACCCCTTTGATCA
GATCTACTACACAGATGTGCAGACATCCTCAACTGGTTCAAGTGTACCCGGCACC GGATCAGCTATAAG
ACCGCGTATAGGCGCGGCTCCGGACCATGTACCGCGGAGGTCCAATGCTGCCCTGGCTACTATGAGA
ACGGAGACTTCTGCATTCTCTGTGTACCGAGGAGTGCATGCACGCGCTGTGTCTCTCCGATACCTG
CCACTGTGAGCCTGGATGGGAGGCCCTGACTGCTCCAGCGGCTGTGACAGCGAGCACTGGGGTCCCCAC
TGCAAGCAACCGGTGTCAGTGTGCAAGCGGCCCTGTGCAACCCTATCACCGCGCCTGCGTGTGCGCCC
CGGGCTTCCGAGGCTGGCGCTGTGAGGAACTCTGCGCTCCTGGTACTCACGGCAAGGGCTGCCAGTGTCT
CTGTGTCAGTGCCACCATGGCGCCAGCTGTGACCCGCGCACTGGCGAGTGCCTCTGCGCTCCTGGCTACACA
GGCGTTTACTGTGAGGAGCTGTGCCCCCTGGGAGCCATGGAGCTCACTGTGAGCTGCGCTGCCCTGCC
AGAATGGAGGCACCTGCCACCACATCACTGGCGAATGTGCCTGCCCTCCAGGCTGGACGGGAGCAGTGTG
TGCCCAGCCCTGCCCTCCAGGGACCTTTGGCCAGAAGTGTAGCCAGGACTGTCCCTGCCACCATGGAGGC
CAGTGTGACCATGTGACTGGACAATGCCACTGTACAGCTGGATACATGGGGGACAGGTGTCAAGAAGAAT
GTCCCTTTGGAACGTTCCGTTTCCCTGTGCTCTCAACGCTGTGACTGCCACAATGGAGGTCATGTTCAAC
AGCCACAGGGGCTGTGAGTGTGAGCCTGGCTACAAGGGCCCTAGCTGCCAGGAGCGGCTATGCCCTGAG
GGCCTGCATGGCCAGGCTGCACCTTGCCCTGCCCTGTGACACCGAGAACAATATCAGCTGCCATCCAG
TTACTGGAGCTTGTACCTGCCAACCAGGCTGGTCTGGCCACTACTGCAATGAGTCTGCCCGCCGGCTA
CTATGGCAACGGTTGCCAGCTACCCTGCACCTGCCAGAACGGTGTGACTGCCACAGTATCACCGGGAGC
TGCACTTGTGCTCCAGGCTTCAATGGGAGAGGTGTGCGCTCCCTGTGCTGCAGGGACCTATGGTCCCA
ACTGTTTCATCTGTATGTAGCTGTAGCAACGGCGCACCTGTTCCCAAGTGGATGGCTCCTGCACCTGCCG
AGAGGGATGGCAGGGCCTGGACTGCTCCCTGCCTGTCCAGTGGGACCTGGGGCTGAAGTCAATGAG



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ACTTGCATCTGTGCCAATGGAGCTGCCTGCAGCCCTTTGATGGGTCTGTGCCTGCACCCAGGCTGGC
 TGGGGACTCCTGTGAAGTGCCTGCCCGGACGGCACTTTGGGCTGAAGTGCAGTGAGCATTGCGACTG
 CAGCCATGCTGATGGCTGTGACCCTGTACAGGCCACTGCTGCTGCCTGGCAGGATGGACAGGCATCCGC
 TGTGATAGCACGTGTCTCCAGGTGCTGGGGCCCAACTGTTTCAGTGTCTGCAGCTGTGAGAACGGAG
 GTTCTGCTCCCCGGAGGACGGGAGCTGCGAGTGTGCCCTGGCTTTGAGGACCTTATGTCAGAGAAT
 CTGCCCACCAGGATTCTACGGCCATGGCTGCGCCAGCCTTGTCCCTCTGCGTGCACAGCAGGGGGCCC
 TGCCACCACATCAGTGGTATCTGTGAGTGCCTGCCAGGATTCTCTGGAGCCTTGTGCAACCAAGTGTGTG
 CTGGAGGGCACTTCGGGACGACTGTGCCAGCTCTGTTCTGTGCCAACAAATGGGACCTGCAGCCCAT
 CGATGGCTCCTGTGAGTCTCCCTGGGTGGATTGGCAAGGACTGCTCACAGGGTTGCCCTTCAGCATT
 TTTGGGAAGGACTGTGGGCACATATGCCAGTGTGAGAATGGAGCCAGCTGTGACCACATCACTGGGAAAT
 GCACCTGTGCAACAGGCTTCTCTGGCCGCACTGTGAACAGAGATGTGCCCTGGAACCTTTGGATATGG
 GTGTCAGCAGCTATGTGAGTGCATGAACAATGCCACTTGTGACCACGTCCTGTTACTGTACTGTAGC
 CCGGGATTCAAAGGAATCAGGTGTGACCAAGTGCCTCATGATGGATGAGCTGAATCCCTACCCAAGA
 TCAGTCCAGCTCTGGGAGCAGAGCGGCACTCAGTGGGTGCTGTCACCGGCATCGTTCTCCTGTTGTTCT
 GGTGGTGGTGTCTGCTGGGCTGTTGCCTGGCGACGGAGCGGCAGAAAGAGAAAGGCCGTGACCTGGCT
 CCCCAGTCTCCTACACCCAGCCATGAGGATGACCAGCACAGACTACTCTCTCAGATTTGTCTCAA
 GTAGCAGCCATGCCAGTGTCTTTCCAATGCCAGCTACCACACTGGCGTGTGGGGGCCCTGCCACCAG
 CCAGGCCAGCACTCTGGACAGGAACAGCCCCACCAAGCTCAGTAACAAGTCCCTTGACAGAGACACAGCA
 GGCTGGACCCCTACAGCTATGTGAACGTGTTAGACTCCCATTTCCAGATCAGTGCCTGGAGGCCAGGT
 ACCCGCCCGAGGACTTCTACATTGAACTTAGACACCTCAGCCGCCATGCTGAGCCACACTCACCAGGCAC
 TTGTGGAATGGACAGACGTCAGAACACATACATTATGGACAAAGGCTTCAAAGATTACATGAAAGAACT
 GTGTGCAGTCTAGCACTTGTCTCTTGAACAGCAGTGAACCCCTTACGCCACAATTAAGGACCCACCCA
 TCCTCAGCTGCAAGCTTCCAGAAAGCAGTTATGTAGAAATGAAGTCACCTGTGCACTTGGGGTCTCCGTA
 CACAGATGTGCCATCCTTGTGACATCTAATAAAAATATATGAAGTTGAGCCACAGTCAGTGTGGTC
 CAAGAAGGCCGAGGTATAACTCCAGCTATATCCAGAATCCATACGACCTACCTAAGAACAGCCATATTC
 CTGGTCACTATGACCTCCTCCAGTAAGACAGAGCCCTGCCATGGGCCCTTCCAGGAAAAGCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1719_b09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001134399

Insert Size: 3288 bp

OTI Disclaimer: 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).

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:	<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:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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 extent of this transcript is supported by transcript alignments.</p>