

## Product datasheet for MR219180

### Megf11 (NM\_001134399) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Megf11 (NM_001134399) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Megf11
Synonyms:	2410080H04Rik; D130061K05
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR219180 representing NM_001134399 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**GCGATCGCC**

ATGGCGCCGTCTGCGGTGGCCCTCCTTGTCTTCTTCTGCAAGCTGCTCTTGCTCTGAACCTGAAGACC  
CCAATGTGTGTAGCCACTGGGAGAGCTATGCCGTGACTGTGCAGGAGTCTTATGCACACCCCTTTGATCA  
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TGGGGACTCCTGTGAACTGCCCTGCCCGACGGCACTTTGGGCTGAACTGCAGTGAGCATTGCGACTG  
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**Protein Sequence:**

>MR219180 representing NM\_001134399

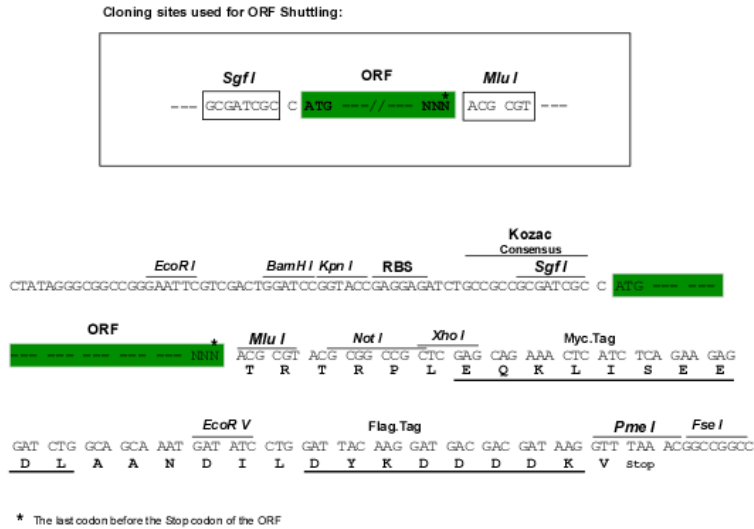
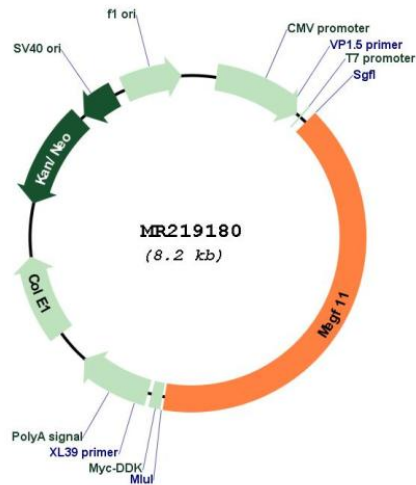
Red=Cloning site Green=Tags(s)

MAPSAVGLLVFLLQAALALNPEDPNVCSHWESYAVTVQESYAHFPDQIYYTRCADILNWFKTRHRISYK  
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 CSNRCQCQNGALCNPIITGACVCAFGFRGWRCEELCAPGTHGKGCQLLQCHHGASCDPRTGECLCAPGYT  
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 PGFKGIRCDQAALMMDLNPYTKISPALGAERHSVGAVTGIVLLFLVVLLGLFAWRRRRQKEKGRDLA  
 PRVSYTPAMRMTSTDYSLSDLQSSSHAQCFSNASYHTLACGGPATSQASTLDRNSPTKLSNKSLDRDTA  
 GWTPYSYVNVLDLDFHQAISALEARYPPDFYIELRHLRHAEPHSPGTGMDRRQNTYIMDKGFKDYMKES  
 VCSSTCSLNSSENYPYATIKDPPILTCKLPESSYVEMKSPVHLGSPYTDVPSLSTSNKNIYEVEPTVSVV  
 QEGRGHNSYIQNPYDLPKNSHIPGHYDLLPVRQSPAHPFPQEKQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDK

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001134399

ORF Size: 3285 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: 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>	<u>NM_001134399.1, NP_001127871.1</u>
<b>RefSeq Size:</b>	6018 bp
<b>RefSeq ORF:</b>	3288 bp
<b>Locus ID:</b>	214058
<b>UniProt ID:</b>	<u>Q80T91</u>
<b>Cytogenetics:</b>	9 C
<b>MW:</b>	117.3 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.[UniProtKB/Swiss-Prot Function]