

## Product datasheet for **MG204809**

### Car11 (NM\_009800) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Car11 (NM_009800) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Car11
Synonyms:	Ca11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204809 representing NM_009800 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGGTGCCGCTCGCCTGAGCGCCCTCAAGCGCTGGTACTCTGGCCGCACTGGGAGCGGCAGCTC  
ACATCGGACCTGCACCTGATCCCGAGGACTGGTGGAGCTACAAGGAGAATCTCCAGGGAACTTCGTGCC  
AGGGCCTCCCTTCTGGGGCTGGTGAACGCTGCCTGGAGCCTGTGCGCTGTGGGAAGCGGCAGAGCCCC  
GTGGATGTGGAGCTGAAGCGGGTCTTTATGACCCTTTTCTGCCCCGCTCAGACTCAGCACCGGGGGAG  
AGAAGCTCCGGGAACCTTGACAACACTGGCCGCATGTCTCCTCCTACCTGCATCCCGACCTGTGGT  
CAACGTGTCTGGGGTCCCTTCTTTATAGCCACCGACTCAGTGAAGTGCCTGCTATTTGGAGCTCGA  
GATGGTGCCGGCTCTGAACACCAGATCAACCATGAAGGCTTCTCCGCTGAGGTGCAGCTAATCCACTTCA  
ACCAAGAACTCTATGGGAACCTCAGTGCTGCCTCAAGGGGCCCAACGGCCTGGCCATTCTCAGCCTCTT  
TGTCAATGTGGCTGGCAGTTCCAACCAATTCCTCAGTCGCTCCTCAACCGGGACACTATCACCCGAATC  
TCCTACAAAAATGATGCCTACTTTCTTCAAGACCTGAGCCTGGAGCTCCTGTTCCAGAATCCTTCGGCT  
TCATCACCTATCAGGGATCTCTCAGCACTCCTCCGTGCTCTGAGACTGTCACCTGGATCCTCATCGACAG  
GGCTCTCAATATTACCTCCCTCCAGATGCACTCCCTGAGACTCCTGAGCCAGAATCCCCCTCCCAGATC  
TTCCAGAGCCTCAGTGGTAATGGCCGGCCCTTGACGCCCTGGCCACAGAGCCTTGAGGGGCAACAGGG  
ACCCCGGCATCCCGAGAGGCGCTGCCGAGGCCCAACTACCGCCTGCATGTGGACGGTGGTCTCACGG  
TCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204809 representing NM\_009800  
 Red=Cloning site Green=Tags(s)

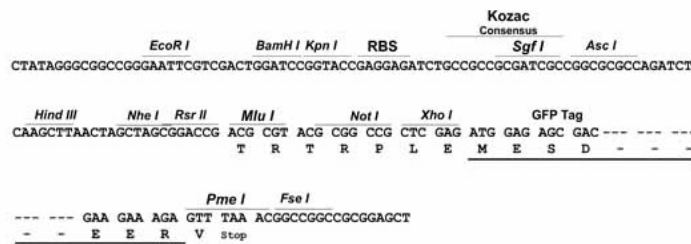
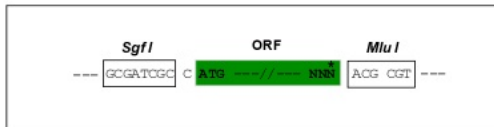
MGGAARLSAPQALVLWALGAAAHIGPAPDPEDWWSYKENLQGNFVPGPPFWGLVNAAWSLCAVGRQSP  
 VDVELKRVL YDPFLPPLRLSTGGEKLRGTL YNTGRHVSFLPASRPVVNVSGGPLLYSHRLSELRLLFGAR  
 DGAGSEHQINHEGFSAEVQLIHFNQEL YGNLSAASRGPNGLA ILSLFVNVAGSSNPFLSRLLN RDTITRI  
 SYKNDAYFLQDLSLELLFPESFGFITYQGS LSTPPCSETVTWILIDRALNITSLQMHSRLLLSQNPPSQI  
 FQSLSGNGRPLQLAHRALRGNRDP RHPERRCRGPNYRLHVDGGPHGR

TRTRPLE - GFP Tag - V

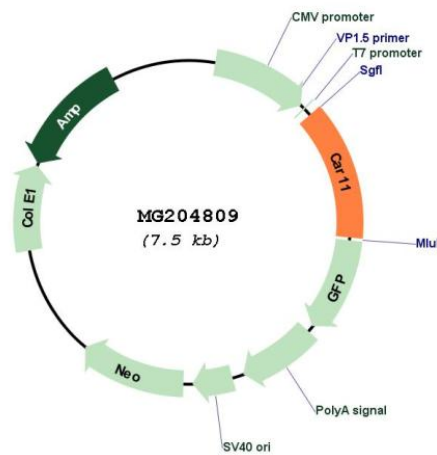
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_009800

**ORF Size:** 984 bp

<b>OTI Disclaimer:</b>	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_009800.4</a>
<b>RefSeq Size:</b>	1456 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	12348
<b>UniProt ID:</b>	<a href="#">O70354</a>
<b>Cytogenetics:</b>	7 B3
<b>Gene Summary:</b>	Does not have a catalytic activity.[UniProtKB/Swiss-Prot Function]