

Product datasheet for MR204809

Car11 (NM_009800) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Car11 (NM_009800) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Car11
Synonyms:	Ca11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204809 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGGTGCCGCTCGCCTGAGCGCCCTCAAGCGCTGGTACTCTGGCCGCACTGGGAGCGGCAGCTC
ACATCGGACCTGCACCTGATCCCGAGGACTGGTGGAGCTACAAGGAGAATCTCCAGGAACTTCGTGCC
AGGGCCTCCCTTCTGGGGCTGGTGAACGCTGCCTGGAGCCTGTGCGCTGTGGGAAGCGGCAGAGCCCC
GTGGATGTGGAGCTGAAGCGGGTCTTTATGACCCTTTTCTGCCCCGCTCAGACTCAGCACCGGGGGAG
AGAAGCTCCGGGAACCTTGACAACACTGGCCGCCATGTCTCCTTCTACCTGCATCCCGACCTGTGGT
CAACGTGTCTGGGGTCCCTTCTTTATAGCCACCGACTCAGTGAAGTGCCTGCCTATTTGGAGCTCGA
GATGGTGCCGGCTCTGAACACCAGATCAACCATGAAGGCTTCTCCGCTGAGGTGCAGCTAATCCACTTCA
ACCAAGAACTCTATGGGAACCTCAGTGCTGCCTCAAGGGGCCCAACGGCCTGGCCATTCTCAGCCTCTT
TGTCAATGTGGCTGGCAGTTCCAACCCATTCTCAGTCGCTCCTCAACCGGGACACTATCACCCGAATC
TCCTACAAAAATGATGCCTACTTTCTTCAAGACCTGAGCCTGGAGCTCCTGTTCCAGAATCCTTCGGCT
TCATCACCTATCAGGGATCTCTCAGCACTCCTCCGTGCTGAGACTGTACCTGGATCCTCATCGACAG
GGCTCTCAATATTACCTCCCTCCAGATGCACTCCCTGAGACTCCTGAGCCAGAATCCCCCTCCCAGATC
TTCCAGAGCCTCAGTGGTAATGGCCGGCCCTTGACGCCCTGGCCACAGAGCCTTGAGGGGCAACAGGG
ACCCCGGCATCCCGAGAGGCGCTGCCGAGGCCCAACTACCGCCTGCATGTGGACGGTGGTCTCACGG
TCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204809 protein sequence
Red=Cloning site Green=Tags(s)

MGGAARLSAPQALVLWALGAAAHIGPAPDPEDWWSYKENLQGNFVPGPPFWGLVNAAWSLCAVGKRQSP
 VDVELKRVLYDPFLPLRLSTGGEKLRGTLYNTGRHVSFLPASRPVVNVSGGPLLYSHRLSELRLLFGAR
 DGAGSEHQINHEGFSAEVQLIHFNQEL YGNLSAASRGPNGLAILSLFVNVAGSSNPFLSRLLNDRDITRI
 SYKNDAYFLQDLSLELLFPESFGFIT YQGS LSTPPCSETVTWILIDRALNITSLQMHSRLLSQNPPSQI
 FQSLSGNGRPLQPLAHRALRGNRDPHRPERRCRGPNYRLHVDGGPHGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009800

ORF Size: 987 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.

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: [NM_009800.4](#)

RefSeq Size: 1450 bp

RefSeq ORF: 987 bp

Locus ID: 12348

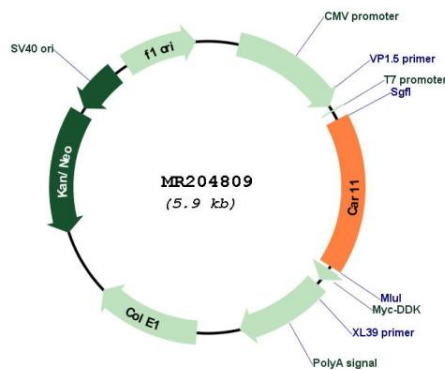
UniProt ID: [O70354](#)

Cytogenetics: 7 B3

MW: 36.1 kDa

Gene Summary: Does not have a catalytic activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204809