

## Product datasheet for **RR206753**

### Car12 (NM\_001080756) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Car12 (NM\_001080756) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Car12  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR206753 representing NM\_001080756  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTCACTGCAGCCTGCACGCTACTGTGCTCCTCTATTGGTGATCCTTAAGGAGCAACCTTCCAGCT  
CAGCCCCACTCAACGGATCCAAGTGGACCTACATTGGTCTGCTGGGAAAAGAAGTGGTCCAAGAAGTA  
CCCGTCATGTGGGGTCTCCTGCAGTCCCCGATAGACCTACACAGTGACATCCTCAATATGATGCCAGC  
CTTGCACCACTCCAGTTCCAAGTTACAATGTGTCTGTTGAAAAGCTATTGAACCTAACCAATGATGGCC  
ATTCAGTGAGACTGAATCTGAACCTCAGACATGTACATCCAGGGACTCCAGCCTCACCAGTACAGAGCGGA  
GCAGCTGCACTTGCACTGGGGAAACCGCAATGACCCCCATGGCTCTGAACACACTGTGAGTGGGAAGCAC  
TTTGCTGCTGAGCTGCACATCGTCCATTATAACTCAGACCTGACTCCGACTTCGGCAGTGCCAGTGACA  
AGTCAGAAGGGCTCGCTGTCTTGCTGTTCTATTGAGATAGGCTCTGTCAATCCGTCTATGACAAGAT  
CTTTAGTCATCTTCAACACGTCAAGTATAAAGGCCAACAGTGTCTATCCAGGCTTCAACATTGAAGAA  
CTTCTGCCTGAGAGCCCTGGCGAGTATTACCGCTATGAAGGGTCCCTGACTACACCTCCTTGCTACCCTA  
CTGTGCTCTGGACAGTTTTCCGAAACCCTGTGCAGATTTCCAGGAGCAGCTGCTAGCTTTGGAGACAGC  
TCTGTATTTACACACATGGATGATCCTTCCCCAGAGAAATGGTCAACAACCTCCGGCAAGTCCAGAAG  
TTTGATGAGAGGCTGGTGTATATCTCCTCCGACAAGGACTGCTTACCGACACAGGACTGAGTTTGGGTA  
TCATCCTTTCACTGGCCCTGGCTGGTGTCTTGGGATCTCCATTGTTCTGGCAGTGTCTGTTGGCTCTT  
CAAAAGGAAGAAGAGCAAAAAGGTGACAACAAGGGAGTCATTTATAAACCGCCATCAAGAAGGAGGCT  
GAGGTCCACGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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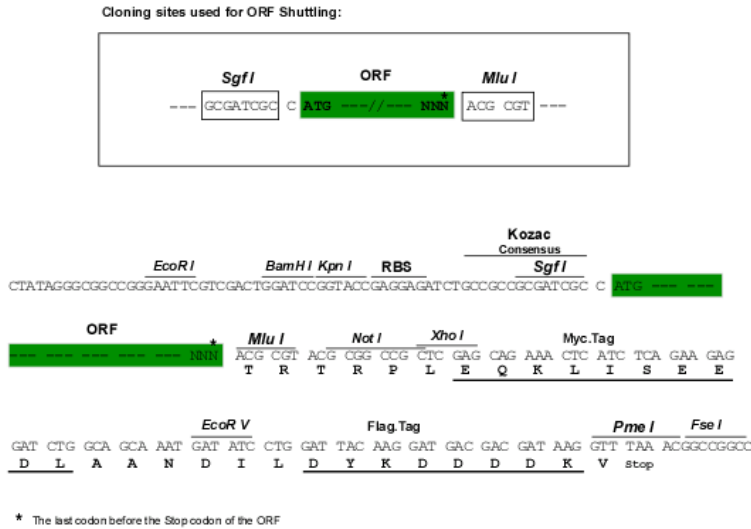
**Protein Sequence:** >RR206753 representing NM\_001080756  
 Red=Cloning site Green=Tags(s)

MPHCSLHATVLLLLVILKEQPSSAPLNGSKWYIGPAGEKNWSKKYPSCGGLLQSPIDLHSDILQYDAS  
 LAPLQFQGYNVSEKLLNLNDGHSVRLNLNSDMYIQGLQPHQYRAEQLHLHWGNRNDPHGSEHTVSGKH  
 FAAELHIVHYNSDLYSDFGSADKSEGLAVLAVLIEIGSVNPSYDKIFSHLQHVKYKQQVLIIPGFNIEE  
 LLPESPGEYYRYEGSLTTPPCYPTVLWTVFRNPVQISQEQLLALETALYFTHMDDPSPREMVNFRQVQK  
 FDERLVYISFRQGLLTDGLSLGIILSVALAGVLGISIVLAVSVWLFKRKSKKGDNKGVIYKPAIKKEA  
 EVHA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001080756

**ORF Size:** 1062 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\\_001080756.1](#), [NP\\_001074225.1](#)

**RefSeq Size:** 1065 bp

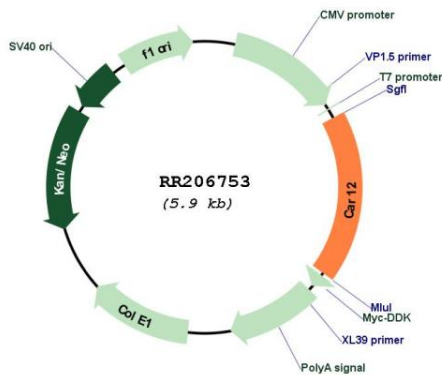
**RefSeq ORF:** 1065 bp

**Locus ID:** 363085

**Cytogenetics:** 8q24

**MW:** 39.6 kDa

**Product images:**



Circular map for RR206753