

Product datasheet for MR205015

Car14 (NM_011797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Car14 (NM_011797) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Car14
Synonyms:	AW536446; CA-XIV; Ca14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205015 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGTTCTTCGCTCTCTGTTAAAGGTGACTTGGATCCTGGCTGCAGATGGGGTCCACTGGACAT
ATGAAGGCCACACGGTCAGGACCATTGGCCAACCTCTTATCCTGAGTGTGGAGGCGATGCCAGTCCCC
CATCAATATCCAGACAGACAGTGTGATATTTGACCCCGATCTGCCTGCTGTACAGCCCCATGGATATGAC
CAGCTTGGGACTGAGCCTTTGGATCTACACAATAATGGCCATACAGTGCAGCTTTCCTGCCCCCAACCC
TGCACCTGGGTGGACTGCCCGAAAATACACAGCAGCCAGCTCCACCTGCACTGGGGTCCAGAGAGGATC
CCTCGAGGGATCAGAGCACCAGATCAACAGTGAAGCCACGGCTGCGGAGCTCCACGTGGTCACTATGAC
TCCAGTCTACAGCAGCTTGAAGTGAAGCCAGCTCAGAAGCCACAGGGCCTGGCTGTCTAGGCATCTCA
TTGAGGTGGGCGAGACTGAGAATCCAGCTTATGATCACATTCTGAGTCGTCTACATGAAATAAGATAAA
AGATCAGAAGACCTCTGTGCCTCCCTTCAGCGTGAGAGAGCTGTTCCCCAACAGCTGGAGCAATTTCTC
CGCTACAACGGCTCACTCACAACCCCCCTGCTACCAGAGTGTGCTCTGGACAGTCTTCAACAGAAGGG
CCCAGATTTCAATGGGACAGTTAGAGAAGCTCCAGGAGACATTGTCTCTACAGAAGAGGACCCCTCGA
GCCCTTGTACAGAACTACAGAGTCCCCAGCCTCTCAACCAGAGGACCATCTTTGCTTCTTTTCAATCAA
GCAGGACCACTGTATACCACAGGAGAGATGCTGGGTCTAGTGTGGGAATCTTGGCTGGATGTCTTTGCC
TTCTGCTGGCTGTTTATTTTCATCGCTCAAAAAATTAGGAAGAAGCGGCTGGGAAACAGGAAAAGTGTGGT
TTTCACCTCTGCTCGGGCTACCACAGAGGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205015 protein sequence
Red=Cloning site Green=Tags(s)

MLFFALLLKVTWILAADGGHHWTYEGPHGQDHWPTSYPECGGDAQSPINIQTDSVIFDPLPAVQPHGYD
 QLGTEPLDLHNNGHVTQLSLPPTLHLGGLPRKYTAAQLHLHWGQRGSLEGSEHQINSEATAAELHVVHYD
 SQSYSSLSEAAQKPQGLAVLGILIEVGETENPAYDHILSRLHEIRYKDQKTSVPPF SVRELFPQLEQFF
 RYNGSLTTPPCYQSVLWTVFNRAQISMGLQLEKLQETLSSTEEDPSEPLVQNYRVPOPLNQRTIFASFIQ
 AGPLYTTGEMLGLGVGILAGCLLLAVYFIAQKIRKKRLGNRKS VVFTSARATTEA

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_011797

ORF Size: 1014 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_011797.3](#)

RefSeq Size: 1625 bp

RefSeq ORF: 1014 bp

Locus ID: 23831

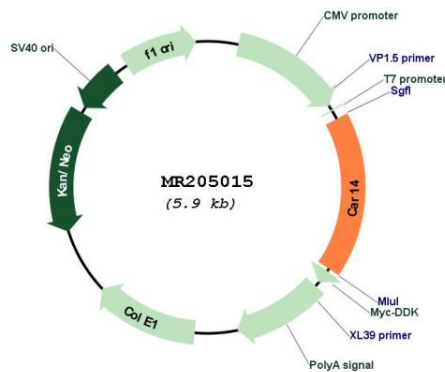
UniProt ID: [Q9WVT6](#)

Cytogenetics: 3 F2.1

MW: 37.5 kDa

Gene Summary: Reversible hydration of carbon dioxide.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205015