

Product datasheet for **MR204560**

Car6 (NM_009802) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Car6 (NM_009802) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Car6
Synonyms:	Ca6; DOC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204560 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGCCCTGGTGAGCGTGGTGTCCCTGTTCTTCTGGGCATCCAGGCCACAGTGATTGGAGCTATT
CAGGGGATGATGGCGTGGGAGAAAGTCAGTGGTCTGAGCAGTATCCTTCCTGCGGCGGGAAAGGCAGTC
GCCCATCGACGTGAAGACGGAGGAGGTGATGTTCAATCCCTCCTGAAGCCCCTGAGCTTGGTGAACAT
GAGAAGGAGAACCTGGAGTTCATATGACTAACAACGGACACACAGTATCGATCGATCTGCCGCCCTCCA
TGTACCTTGAAACCTCTGACGGCACTGAGTTCATCTCAAAGGCCCTTCACTTTCACTGGGGGGTTCGGGA
CTGGGAACTCAGCGGCTCTGAACACACCATTGATGGGATCAGGAGTATAATGGAGGCTCACTTTGTTTAC
TTCAATAAGGAATACGGGACCTATGAGAATGCCAAGGATCAAAAAACGGCCTAGCTGTGTTAGCCGTCT
TGTTTAAGATTGACGAGTATGCCGAAAACCTTACTACAGCGACATCATTCTGCCTTGAAGAACATCGA
GAAGCCAGGAGAACTACAACCTCTGAAAGACACGACCATAGGAACCTGTTGCCTAAGGACGTCCACCAC
TATTACACCTACCCAGGCTCGCTCACCACACCCCTGCACAGAGAATGTCCAGTGGTTTGTGCTTAGAG
ACAAAGTCACTTTGTCCAAGGCCAGGTGGTGACCATAGAAAACCTCTGTTATGGATCACAACAACAACAC
CATTCAAATGGTTACCGCAGCACACAGCCCAACAACACAGGGTGGTGAAGCCAATTTCTGAACGTC
CCGATATGTACTCTTCGTACCACTTTACCTAAAAACATGCAGAAGGAGATTCTACAACCTAAGAAAC
AGAAGAAAACAAAGAAGAACCGGCACTTTTGGAGCCGGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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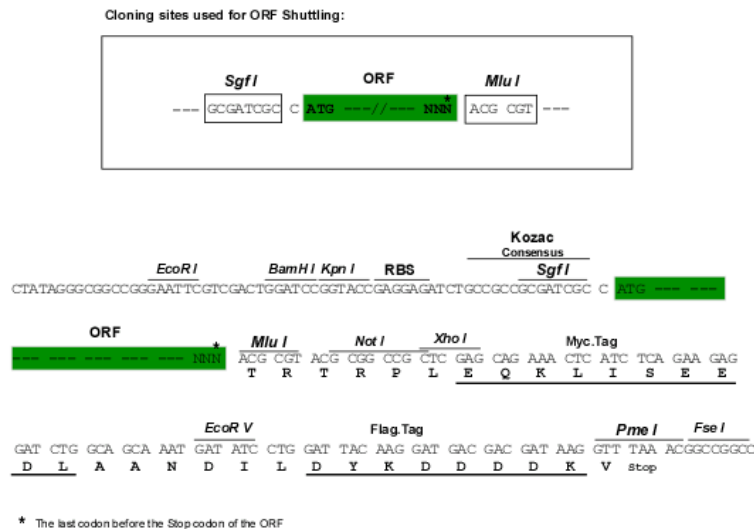
Protein Sequence: >MR204560 protein sequence
 Red=Cloning site Green=Tags(s)

MRALVSVVSLFFLGIQAHSDWSYSGDDGVGESQWSEQYPSCGGERQSPIDVKTEEVFMNPSLKPLSLVNY
 EKENLEFTMTNNGHTVSI DLPPSMYLETSDGTEFISKAFHFHWGGRDWELSGSEHTIDGIRSIMEAHFVH
 FNKEYGTYENAKDQKNGLA VLAVLFKIDEYAENTYYS DIISALKNIEKPGETTTTLKDTTIRNLLPKDVHH
 YYTYPGSLTTPPCTENVQWFVLRDKVTLSKAQVVTIENSVM DHNNNTIQNGYRSTQPNNHRVVEANFLNV
 PDMYSSYHLYLKNMQEILQPKKQKTKKNRHFWSRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009802

ORF Size: 951 bp

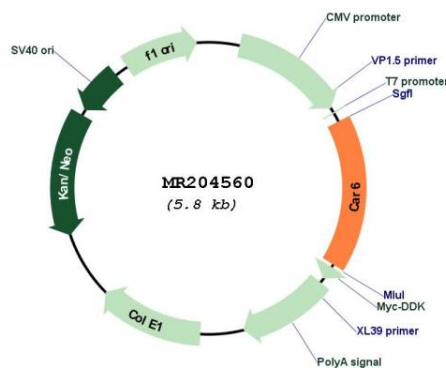
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_009802.2, NP_033932.2</u>
RefSeq Size:	1380 bp
RefSeq ORF:	954 bp
Locus ID:	12353
UniProt ID:	<u>P18761</u>
Cytogenetics:	4 E2
MW:	36.5 kDa
Gene Summary:	Reversible hydration of carbon dioxide. Its role in saliva is unknown.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204560