

Product datasheet for **MC215872**

Car9 (NM_139305) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Car9 (NM_139305) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Car9
Synonyms:	Ca9; CAIX; MN/CA9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215872 representing NM_139305
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCCCTGGGCCCCAGCCCTGGGCCCTTTGTGACCCCCAGCCCTACTGCACAGCTGCTGCTGT
 TCCTGCTGCTCCAAGTGTCTGCTCAGCCCCAGGGCCTGTCCGGGATGCAGGGGGAGCCCTCCTTGGGAGA
 CAGTTCATCTGGGGAGGATGAGCTGGGCGTGGATGTTCTGCCAGTGAAGAGGATGCACCTGAAGAGGCG
 GATCCACCCGATGGGGAGGATCCACCTGAAGTTAATTCTGAAGACAGGATGGAGGAGTCCCTTGGGTAG
 AGGATCTATCGACTCCGAGGCTCTGAGCACAGTCAAGGTTCCACGGGGATGAAAAAGGGGGTGGCCA
 CAGTCATTGGAGCTATGGAGGCACCTACTCTGGCCCCAGGTGTCCCCAGCCTGTGCTGGCCGCTTTCAG
 TCCCGGTAGACATCCGCTGGAGCGCACCGCATTCTGCCGCACTCTGCAACCCCTGGAACCTCTGGGTT
 ATGAGCTCCAGCCTCTCCGGAAGTGAAGCTATCCAACAATGGCCACACGGTACAGCTGACTCTGCCGCC
 GGGGCTGAAGATGGCTCTGGGACCTGGGCAGGAATACCGGCCCTTGCAAGTGCATCTACACTGGGGAAC
 TCAGATACCCAGGCTCAGAACACACAGTCAATGGTCACCGTTTCCCTGCTGAGATCCACGTGGTGCACC
 TCAGTACTGCTTCTCCGAACCTCATGAAGCCTTGGGCCGCCAGGAGGCTGGCAGTTTTGGTGCCTT
 TCTGCAGGAGAGCCCAGAAGAAAACAGTCTTACGAACAGTTGCTGTCCCATTTGGAAGAAATCTCGGAG
 GAAGGCTCCAAGATTGAGATCCAGGTTGGATGTATCTGCACTGTTGCCCTCGGACCTCAGCCGCTACT
 ACCGATATGAAGGGTCTCTGACCACACCTCCCTGCAGCCAGGGGGTCACTGGACTGTGTTCAATGAGAC
 AGTGAACTGAGCGCTAAGCAGCTCCATACTCTCCGTTTCTTGTGGGGACCTCGTGATTCTCGGCTA
 CAACTGAACTCCGAGCCACGCAACCTTGAATGGCGAACGATTGAGGCTTCTTCCCTGCTGCAGAGG
 ATAGCACCCTGAGCCAGTCCATGTGAATTCCTGCTTCACTGCTGGTGACATCCTAGCCTTGGTGTGG
 CCTTCTCTTTGCTGTACCAGCATCGCCTTCTCCTACAGCTGAGGAGGCAGCACAGGCACAGAAGTGGG
 ACCAAAGATAGAGTTAGCTACAGTCCGGCAGAGATGACAGAACTGGAGCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2339_h10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_139305

Insert Size: 1314 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<ol style="list-style-type: none">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:	<u>BC120544</u> , <u>AAI20545</u>
RefSeq Size:	1959 bp
RefSeq ORF:	1314 bp
Locus ID:	230099
UniProt ID:	<u>Q8VHB5</u>
Cytogenetics:	4 A5
Gene Summary:	Reversible hydration of carbon dioxide. Participates in pH regulation (By similarity). [UniProtKB/Swiss-Prot Function]