

## Product datasheet for RN204935

### Car4 (NM\_019174) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Car4 (NM_019174) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Car4
Synonyms:	Ca4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204935 representing NM_019174 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCTCCTTCTTGCTCTACTGGCGCTGGCTTACGTGGCCCCCTCTACTGAAGATTCACACTGGTGCT  
ATGAGATTCAGCAAGGAGCCCAACAGCCATTGCTCAGGGCCTGAACAATGGACTGGAGACTGTAAGAA  
GAACCAGCAGTCTCCTATCAATATTGCTACTAGTAAGACAAAGTTGAACCCAGTCTGACACCCCTCACT  
TTCGTTGGCTATGACAAAAGAAGAAGTGGGAAGTTAAGAACAACCAACTCAGTGAAATGTCGCTGG  
GGGAGGACATCTATATTTTGGAGGAGATCTGCCACCCAGTACAAGGCCATACAGTTACACCTGCACTG  
GTCAGAGGAGTCGAACAAGGGTTTCAGAGCACAGTATTGATGGGAAACATTTTGCATGGAGATGCATGTC  
GTGCATAAGAAGATGACAACAGGCGATAAAGGTGCAGGACTCGGACTCCAAGGACAAGATTGCGGTGCTGG  
CATTATCGTTGAGGTGGGAAACGAGGTAACGAGGGCTTCCAGCCCCTGGTGGAGGCACTGTCCAGGCT  
CTCCAAACCCCTTACAACTCCACAGTGAGTGAGAGCTGCCTGCAGGATATGCTTCTGAAAAGAAGAAA  
CTGTCTGCCTACTTCCGTTACCAGGGCTCACTGACTACACCAGGCTGTGATGAGACTGTCATCTGGACTG  
TGTTCCAGGAACCTATTAAGATCCATAAAGACCAGTTCCTGGAATTCTCAAAAAGCTCTACTATGACCA  
AGAACAGAAGTTGAACATGAAGGACAATGTGAGGCCCTGCAGCCACTGGGAAACCGCCAGGTGTTTCAGG  
TCTCATGCCTCAGGACGACTGTGCTTTGCCCTGCCACTCTATTGGTCCCCACACTCACCTGCCTGG  
TGGCCAGCTTCTCCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_019174



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<b>Insert Size:</b>	930 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_019174.3</a></u> , <u><a href="#">NP_062047.1</a></u>
<b>RefSeq Size:</b>	1266 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	29242
<b>UniProt ID:</b>	<u><a href="#">P48284</a></u>
<b>Cytogenetics:</b>	10q26
<b>Gene Summary:</b>	may be involved in carbon dioxide exchange and pH regulation [RGD, Feb 2006]