

Product datasheet for **RN201532**

Car3 (NM_019292) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Car3 (NM_019292) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Car3
Synonyms:	Ca3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201532 representing NM_019292

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTAAGGAGTGGGGTTACGCCAGCCACAATGGTCCTGAGCACTGGCATGAACTTTATCCAATTGCCA
AAGGGGACAACCAGTCACCCATTGAACTGCATACTAAAGACATCAGGCATGATCCTTCTCTGCAGCCTTG
GTCAGTATCTTATGATCCTGGCTCTGCTAAGACCATCCTGAACAATGGGAAGACCTGCAGAGTTGTGTTT
GATGATACTTTTCACAGGTCCATGCTGAGAGGTGGCCCTCTCTCTGGACCCTACCGACTTCGCCAATTCC
ATCTTCACTGGGGCTCCTCGGATGACCATGGCTCTGAGCACACAGTGGATGGAGTGAAGTATGCTGCTGA
GCTTCACCTGGTTCACTGGAACCCGAAGTATAACACCTTCGGAGAGGCTCTGAAGCAGCCCGATGGGATT
GCTGTGTTGGCATTCTTCTGAAGATAGGACGGGAGAAAGGCGAGTTCAGATTCTCCTTGATGCCTGG
ACAAAATTAAGACTAAGGGCAAGGAGGCTCCTTTTAATCACTTCGACCCATCGTGCTGTCCCTGCTTG
CCGGGACTATTGGACCTACCATGGCTCCTTCACCACGCCACCCTGCGAGGAGTGCATTGTGTGGCTGCTA
CTGAAAGAGCCCATGACAGTGAGCTCAGACCAGATGGCCAAGCTGCGCAGCCTGTTGCCAGTGCAGAGA
ATGAGCCCCCGGTGCCTCTGGTGGGGAATTGGCGCCCTCTCAGCCGATCAAGGGCAGGGTGGTGAAGGC
CTCCTTCAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_019292
Insert Size:	783 bp



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OTI Disclaimer:	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).
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:	<u>NM_019292.4</u> , <u>NP_062165.2</u>
RefSeq Size:	802 bp
RefSeq ORF:	783 bp
Locus ID:	54232
UniProt ID:	<u>P14141</u>
Cytogenetics:	2q23
Gene Summary:	catalyzes hydration of carbon dioxide; may be involved in cellular response to oxidative stress [RGD, Feb 2006]