

## Product datasheet for **MC226311**

### Car7 (NM\_001301165) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Car7 (NM\_001301165) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Car7  
**Synonyms:** AV343731; Ca7  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226311 representing NM\_001301165  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCCTCAGCATCACCAACAATGGCCACTCTGTCCAGGTGGACTTCAATGACAGTGATGACAGAACCG  
TGGTGTCTGGGGCCCCCTGGAAGGGCCCTATCGTCTCAAGCAGTCCACTTCCACTGGGCAAGAAGCG  
CGACATGGGCTCAGAGCACACAGTGGACGGCAAGTCCTCCCCAGCGAGCTACATCTGGTTCCTGGAAC  
GCCAAGAAGTACAGCACTTTTGGGGAGGCGGCTGCAGCCCTGATGGCCTGGCTGTGGTTGGTGTCTTCC  
TGGAGACAGGAGATGAGCACCAAGCATGAACCGCTGACAGACGCCCTCTACATGGTTCGATTTAAGGA  
CACCAAGGCCAGTTCAGCTGCTTCAACCCCAAGTGCCTGCTGCCACCAGCCGACACTACTGGACCTAT  
CCTGGCTCCCTGACCACACCCCACTCAGTGAGAGTGTCACTTGGATTGTGCTTCGGGAGCCCATCAGGA  
TCTCCGAGAGGCAGATGGAGAAATTCGGAGCCTGCTTTTACCTCAGAGGATGATGAGAGGATCCATAT  
GGTGGACAACCTCCGGCCACCACAGCCGCTGAAGGGCCGAGTGGTCAAAGCATCCTTCCAGGCC**TGA**

**ACGCGT**ACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001301165  
**Insert Size:** 627 bp

**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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001301165.1</a></u> , <u><a href="#">NP_001288094.1</a></u>
<b>RefSeq Size:</b>	1511 bp
<b>RefSeq ORF:</b>	627 bp
<b>Locus ID:</b>	12354
<b>UniProt ID:</b>	<u><a href="#">Q9ERQ8</a></u>
<b>Cytogenetics:</b>	8 D3
<b>Gene Summary:</b>	<p>Reversible hydration of carbon dioxide.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has an alternate first exon and uses a downstream translation start site compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b).</p>