

Product datasheet for MC226310

Car7 (NM_001301164) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Car7 (NM_001301164) Mouse Untagged Clone
Tag: Tag Free
Symbol: Car7
Synonyms: AV343731; Ca7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC226310 representing NM_001301164
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCTCAGCATCACCAACAATGGCCACTCTGTCCAGGTGGACTTCAATGACAGTGATGACAGAACCG
TGGTGTCTGGGGCCCCCTGGAAGGGCCCTATCGTCTCAAGCAGCTCCACTTCCACTGGGGCAAGAAGCG
CGACATGGGCTCAGAGCACACAGTGGACGGCAAGTCCTCCCCAGCGAGCTACATCTGGTTCAGTGAAC
GCCAAGAAGTACAGCACTTTTGGGAGGGCGCTGCAGCCCTGATGGCCTGGCTGTGGTTGGTGTCTTCC
TGGAGACAGGAGATGAGCACCCAAGCATGAACCGCCTGACAGACGCCCTCTACATGGTTCGATTTAAGGA
CACCAAGGCCAGTTCAGCTGCTTCAACCCAAGTGCCTGCTGCCACCGAGCCGACACTACTGGACCTAT
CCTGGCTCCCTGACCACCCCCCACTCAGTGAGAGTGTCATTGGATTGTGCTTCGGGAGCCCATCAGGA
TCTCCGAGAGGCAGATGGAGAAATTCGGAGCCTGCTTTTACCTCAGAGGATGATGAGAGGATCCATAT
GGTGGACAACTTCCGGCCACCACAGCCGCTGAAGGGCCGAGTGGTCAAAGCATCCTTCCAGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301164
Insert Size: 627 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001301164.1</u> , <u>NP_001288093.1</u>
RefSeq Size:	1943 bp
RefSeq ORF:	627 bp
Locus ID:	12354
UniProt ID:	<u>Q9ERQ8</u>
Cytogenetics:	8 D3
Gene Summary:	Reversible hydration of carbon dioxide.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) 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).