

Product datasheet for **RN216894**

Cars2 (NM_001177684) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cars2 (NM_001177684) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cars2
Synonyms:	RGD1311612
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216894 representing NM_001177684
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAGGGCGCTCCGGCTGGCCGGGCGCTCCGCTGCTCCGGGCCGCGCTTGTCTCGGGCGGCGG
 GGCGGGCATGGCAACGGCCACAAGGCCAGGACACCGGTGTGCAGGTGCATAACAGCCTCACAGGCAAGAA
 GGAGCCGCTGATCGTGGGCCGCTCGGACGAGTCTCCTGGTATAGCTGTGGACCGACTGTGTACGACCAT
 GCGCACCTTGGCCATGCTTGCTCATATGTCAGATTTGACATCATCCGAAGGATCCTGACCAGTGTGTTTG
 GATGCAATGTTGTCATGGCGATGAGCATTACCGATGTGGATGATAAAATAATCAAGAGAGCTAACGAGAT
 GAACGTGTCGCCCGCTTCTCTTCCAGCCTTTTGGAGGAAGAATTTAAACAAGACATGGCAGCCCTGAAG
 GTCCTGCCCAACCGTGTACTTGAGAGTACCGAGAACATCCCTCAGATCATCTCTTTCATCCAAGGCA
 TCATTGCCATGGCCATGCTTACGCGACAGCCACAGGTAGCGTCTACTTTGATTTGCGAGCAGGAGGGA
 CAAGTATGGCAAGCTGGTCAACACGGTCCCAGTGCAGTGCAGAGCCAGCAGTTGACTCTGACAAGAGG
 CACAGCAGCGACTTTGCCCTGTGGAAGGGAGCCAAACCCAGGAGGTGTTCTGGGCTCACCGTGGGGAG
 ACGGCCGGCCCGGATGGCACATCGAGTGTCTGCCATGGCCAGCGAGGTGTTCCGGAAGCCAACTGGACAT
 CCACACCGGGCGCATAGACTTGGCTTTCCACATCATGAAAATGAAATCGCACAGAGTGAAGTCTTCCAC
 CAGTGCCAGCAGTGGGAAATTACTTCTACATTCGGGTCATTTGCATGTGAAAGGCAAAGAAGAGAAGA
 TGTCCAAATCCCTAAAAAATACTACTATTAAGGACTTCTGCAGACCTTCTCTCCCGATGTCTTCCG
 GCTTTTCTGCTTGGCACCACACTATCGGTCAGCCATTGACTACAGTGACAGTACCCTGGAGGAAGCCAGG
 CACCTCTGCTGGGGCTAGCCTCTTTTGTGGAGGATGCACGAGCCTATGTAAGGGGCGAGTGTCTGTG
 GCCCTGTTGGGGAAGATGTGCTGTGGGAGAGGCTGGCTAGCACCAGAAGGCCGTGAAGGCTGACTAGC
 CAATGACTTTGACACACCGAGGGCAGTGAACCTCATCCTGGACCTTGTGCACCATGCAAACAGACAGCTC
 AGGGCAGTCTCAAAGGAAGCTGGTGGCCCGAGAAGTCCCCTGTGTTTGGGGCCATCGTTGCCTACGTTG
 AGCAGTTTTTCGAGACTGTTGGGATTTCTTGCCCAAGCGACAGTGTGTTTCAGGAGACAGCAGCACAGT
 AGCCCTGCACTGTGTGGTAGATGAACTAGTGGCTTCAGGCTTAAGGTCGCCAGTATGCACTGGCCACG
 CCTGGGGCCACCGGGGAGGCCCGAAACAGCAGCTCCAGGAGAGGCAGCCCTTGTGGAGGCATGTGACG
 CACTCCGCCAGGACCTCATGACCACGGCATCAATGTTAAGGACAGAGGCCATGCAGCCTCCACATGGGA
 ACTGCTGGATCCGAGGACAAAACACCAGAAGCCCGGACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001177684
- Insert Size:** 1653 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).
- 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.

RefSeq: [NM_001177684.1](#), [NP_001171155.1](#)

RefSeq Size: 1829 bp

RefSeq ORF: 1653 bp

Locus ID: 361184

Cytogenetics: 16q12.5