

Product datasheet for **RN200896**

Cars (NM_001106319) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cars (NM_001106319) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cars
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200896 representing NM_001106319
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGGTTCTCCGCGGAGCAGGGTAAAGGCCGGCAGTGCAGCCTCAGTGGTCCCCTCCAGCAGGGA
 CTGAGCCCTGCCGCTCCGCCTATAACAATAGCCTCACCCGGAACAAGGATGTATTTATACCTCAAGATGG
 GAAGAAGGTGACGTGGTACTGTTGCGGGCCGACTGTCTATGATGCGTCTCACATGGGACATGCCAGGTCC
 TACATCTCTTTGATATCCTGCGGAGGGTCTGAGGGATTACTTCCAGTATGATGTCTTTTACTGCATGA
 ACATCACAGACATTGATGATAAGATCATCAGGAGGGCGCGCAGAACTACCTGTTTGAGCAGTATCGGGA
 GCAGAACTCTCGGCTGCCAGCTTCTGAAGGATGTTGGTATGCCATGAAGCCATTCTCAGTCAAGTTA
 AGTGAGACAACAGACCCTGACAAGAGGCAGATGCTGGAGAGGATCCAGAACTCTGTGAAGCTTGCCACAG
 AACCCTGGAACAGGCTGTGCATCCAACCCCTCTGGAGAGGAAGTAGACAGCCGTGACAGGTGTTGCT
 GGAGGAAGCAAAGGACTTCTCTGACTGGCTGGATTCTACAGGTGGCAGTGGGTGACTGACAACCTCT
 ATTTTCTCCAACTGCCAAGTTCTGGGAAGAAGATTCCACAAAAGACATGGAAGCCCTGAATGTTCTCC
 CTCTGATGTCCTGACCCGTGTCAGTGAATATGTGCCGAAATTGTGAATTCGTCAGAAAGATTGTGGA
 CAACGGTTATGGCTATGCTTCAAATGGGTCTGTCTACTTCGACACAGCCAAGTTCGCTGCTAGTGAAGG
 CACTCCTATGGCAAGCTGGTGCCTGAGGCTGTTGGGATCAGAAAAGCACTTCAGGAAGGGGAAGGTGATC
 TGAGCATCTCTGCTGACCGCCTTAGTGAGAAAAGCTCTCCCAATGACTTCGCCTTGTTGGAAGGCCTCAA
 GCCAGGAGAGCCATCTGGCCTTGCCCTGGGGAAAGGGTCGTCAGGATGGCACATAGAGTGTCCGCT
 ATGGCAGGCTCGCTCTGGGAGCCTCAATGGACATTCATGGTGGAGGCTTTGACCTCCGCTTCCCCCACC
 ATGACAATGAGCTGGCACAGTCAAGGGCTACTTTGAGAATGACTGCTGGGTGAGTACTTCTTGCACAC
 GGGCCACTTGACAATAGCAGGCTGCAAGATGTCCAAGTCACTGAAAAACTTCATCACCATCAAAGATGCC
 TTGAAGAAGCACTCAGCACGGCAGCTGCGGCTGGCTTTCCTCATGCACTCCTGAAAAGACACACTGGACT
 ATTCCAGCAACTATGGAGTCTGCACTTCAGTATGAAAAGTTCATGAATGAATTTTCTTAAACGTGAA
 AGACATCTCCGAGCCCCTGTGGACATCACTGGCCAGTTTAAAAAGTGGGAAGCCGAAGAAGTGGAGCTC
 AATAAGAAGTCTATGACAAGAAGACCGCAGTTCATGAAGCCCTGTGTGATAACATTGACACCCGACTG
 TCATGGAGGAGATGCGGGCTTTGGTCAGTCACTGCAACCTCTACATGGCAGCCAGGAAGGCCGCAAGGAG
 GAGGCCAACAGGGCTCTGCTGAAAACATTGCCATGTACCTCACCCACATGCTGAAGATCTTTGGAGCC
 ATAGAGGAGGAGAACCCCTGGGTTTCCCGTTGGTGGGCTGGAACCACTGAATCTCGAGTCTACAG
 TCATGCCCTACCTGCAGTATTATCGGAATTCAGGGAGGGTGTGCGAAAGATTGCCCGAGAGAAAAAGT
 CCTTGAGGTTCTGCAGCTCAGTATGCCCTCCGGGATGACATCCTGCCTGAGCTTGGGGTGGGTTTGA
 GACCACGAAGGACTGCCAACAGTGGTGAAGTGGTGGACAGAGACACCTTACTGAAAAGAGAAGGAAGAAA
 AGAAAAGGGCTGAAGAAGAGAAGAGGAGGAAGAAAAGAGGAGGCGCCAGGAAGAAAACAGGAGCAAGAAGC
 AGCAAAGCTGGCAAGATGAAGACGCCACCCAGTGAAGTGTCCGCTCAGAAAACCGACAAGTATTCTAAG
 TTTGATGAAAATGGTCTGCCTACCCACGACACTGAAGGCAAAGAGCTGAGCAAGGGCCAGACCAAGAAGT
 TGAAGAAGCTCTTTGAAGCTCAGGAGAAAGTGTACAAGGAGTATCTGCAACAGTTGCAGAATAGCAGCCT
 CCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001106319

Insert Size: 2247 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).

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:	<ol style="list-style-type: none">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_001106319.1, NP_001099789.1</u>
RefSeq Size:	2970 bp
RefSeq ORF:	2247 bp
Locus ID:	293638
Cytogenetics:	1q42