

Product datasheet for **MC205092**

Cars (NM_013742) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cars (NM_013742) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cars
Synonyms:	CA3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058954
 GTCTGTGGCGGGCCGCGGGTCTTGATTCCCAGTGATGGCAGGTTCTCCGCGGAGCAGGCTGCCGACT
 ACAGGTCCATTCTGAGCATTAGTGACGAGGCAGCCAGGGTGCAGGCCCTGGACCAACACCTCAGCACGCG
 TAGCTATATCCAGGGTACTCCCTATCCAGGCAGATGTGGACGTGTTCCAGGCAGCTCTCGGCCCTCCC
 GCTGACTCAAGGCTCTTCCACGTGGCTCGGTGGTTCAGGCACATAGAAGCGCTCCTGGGTGGCCCCAAG
 GCAGAGACGAGCCCTGCAGGCTTCAAGCAAGTAAAGCCGGCGAGTGCAGCCTCAGTGGTCCCCCCCAGC
 AGGGACTGAGCCCTGCAGGCTCCGCCTATAAATAGCCTCACCCGGAACAAGGATGATTTATACCTCAA
 GATGGGAAGAAGGTGACGTGGTACTGTTGCGGGCCGACTGTCTATGATGGTCTCACATGGGACATGCCA
 GGTCTACATCTCCTTCGATATCCTGAGGAGGGTCTGAGGGATTACTTCCAGTATGATGCTTTTTACTG
 CATGAACATCACAGACATTGATGATAAGATCATCAGGCGGCACGGCAGAACTACCTGTTTGAGCAGTAT
 CGGGAGCAGAAAACCCAGCCACCCAGCTCCTGAAGGATGTCCTGATGCCATGAAGCCATTTTCAGTCA
 AGTTAAGTGAGACAACAGATCCCGACAAGAGGCAGATGCTGGAGCGGATCCAGAACTCTGTGAAACTTGC
 CACAGAACCCTGGAACAGGCTGTGCGATCCAGCCTCTCTGGAGAGGAAGTAGACAGCAAAGTACAGGTG
 TTGCTGGAGGAAGCAAAGGACTTGCTCTCTGACTGGCTGGATTCCACAGGTGGCAGTGAGGTGACTGACA
 ACTCGATTTTCTCCAACTGCCAAGTTCTGGGAAGAAGATTCCACAAAGACATGGAAGCCCTGAATGT
 TCTCCCTCTGATGTCTAACCCGTGTCAGTGAATATGTGCCAGAAATTGGAACCTCGTCCAGAAGATT
 GTGGACAATGGTTATGGTTATGCTTCAAATGGATCTGTTTACTTCGACACAGCCAAGTTTCTGCTAGTG
 AAAAGCACTCCTATGGGAAGCTGGTGCCTGAGGCCGTTGGGGATCAGAAGGCACTTCAGGAAGGGGAAGG
 TGATCTGAGCATCTCTGCTGACCGCCTTGTGAGAAAACGCTCTCCCAATGACTTTGCCTTGTGGAAGGCC
 TCCAAGCCAGGCGAGCCATCCTGGCCTTGGCCCTGGGAAAGGGTCTCCCGGATGGCACATAGAGTGT
 CTGCTATGGCAGGCAGCTCCTGGGAGCCTCAATGGACATTCATGGTGGAGGGTTGACCTCCGCTTCCC
 CCACCATGACAATGAGCTGGCACAGTCCGAGGCCTACTTTGAAAATGACTGCTGGGTGAGTACTTCTTG
 CACACGGGCCACTTGACGATAGCAGGCTGCAAGATGTCCAAGTCACTGAAAAACTTTATACCATTAAG
 ATGCCTTGAAGAAGCACTCAGCACGGCAGCTGCGACTGGCATTCTCATGCACTCATGAAAGACACACT
 GGACTATTCCAGCAACACTATGGAGTCTGCTCTTCAGTATGAAAAATTCATGAACGAGTTTTTCTTAAAT
 GTGAAAGACATCCTCCGAGCCCCTGTAGACATCACTGGCCAGTTTGAAGTGGGAAGCTGAAGAAGTGG
 AGCTAAATAAGAAGTCTATGGCAAGAAGACCGCAGTTCACGAAGCCTTGTGTGATAACATTGACACCCG
 GACTGTGATGGAAGAGATGCGGGCTTTGGTCAGTCAGTCAACCTCTACATGGCAGCCAGGAAGGCTGAA
 CGGAGGAGGCCAACCGGCTCTGCTGGAGAACATTGCCATGTACCTCACCCACATGCTGAAGATCTTTG
 GGGCCATAGAGGAGGAGAGCCCCCTGGGGTCCCAGTTGGTGGGCTGGAACCACTGAACCTCGAGTC
 AACAGTATGCCCTACCTCAGGTGTTATCAGAATTCAGAGAGGGAGTACGAAAGATTGCCCGAGAGAAA
 AAAGTTCTTGAGTCTACAGCTCAGTATGCCCTCCGGATGACATCCTGCCTGAGCTTGGGGTCCGGT
 TTGAAGACCATGAAGGGCTGCCAACAGTGGTGAAGTTGGTGGACAGAGACACCTTACTGAAAGAGAGGA
 AGGAAAGAAAAGGGCTGAAGAAGAGAAGAGGAGGAAAGAAAGAGGAGGCGCCAGAAAAGAACAGGAGCAA
 GAAGCAGCAAAGCTGGCCAAGATGAAGATACCACCCAGTGAAGTGTCTCTGTCAGAAGTCAACAAGTATT
 CTAATTTGATGAAAAATGGTCTGCCTACCCACGACACCCGAAGGCAAGAGCTGAGCAAGGGCCAGGCCAA
 GAAGCTGAAGAAGCTCTTGAAGCCAGGAGAACTGTACAAGGAGTATCTGCAATGTTACAGAATGGC
 AGCCTCCAGTATGCCACGGCAGCCAGGAGGGGCGCACCTGCCAGCCTGGCTGCTATGGACTAGGCCAC
 AGCTACTGAGGCTCCGTGCCCTGATCATGTTTACAGCTGTTCTCACACCTGAATCAGGCAGAGTGGTAGC
 AGCTCTGGGACACTGATAATAAATCTTCTGAACGGTGAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_013742
Insert Size: 2496 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>BC058954</u> , <u>AAH58954</u>
RefSeq Size:	2749 bp
RefSeq ORF:	2496 bp
Locus ID:	27267
UniProt ID:	<u>Q9ER72</u>
Cytogenetics:	7 88.25 cM
Gene Summary:	<p>Catalyzes the ATP-dependent ligation of cysteine to tRNA(Cys).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1).</p>