

Product datasheet for MC202360

Car2 (NM_009801) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Car2 (NM_009801) Mouse Untagged Clone
Tag: Tag Free
Symbol: Car2
Synonyms: A1131712; Ca2; CAlI; Car-2; Ltw-5; Lvtw-5
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC055291 sequence for NM_009801
GCTAGACGGACGACAACCTCTGCTCTGCCCAATCACCGGCGTGACCATGTCCCACCACTGGGGATACAG
CAAGCACACGGACCAGAGAAGCTGGCACAAGGACTTCCCCATTGCCAATGGAGACCGGCAGTCCCCTGTG
GATATTGACACAGCAACTGCCACCATGACCCTGCCCTACAGCCTCTGCTCATATCTTATGATAAAGCTG
CGTCCAAGAGCATTGTCAACAACGGCCACTCCTTTAACGTTGAGTTTGATGACTCTCAGGACAATGCAGT
GCTGAAAGGAGGACCCCTCAGTGACTCCTACAGATTGATCCAGTTTCACTTTCACTGGGGCTCATCTGAT
GGCCAGGGCTCTGAGCACACTGTGAACAAAAAATATGCTGCAGAGCTTCACTGGTTCACTGGAACA
CCAAATATGGGGACTTTGGAAAAGCTGTGCAGCAACCGGATGGATTGGCTGTTTTGGGTATTTTTTAA
GATTGGACCTGCCTCACAAGCCTTCAAGAAAGTCTTGAAGCACTGCATTCCATTAACAAAGGGGAAG
CGTGCGGCCTTTGCTAATTCGATCCTTGCTCCCTTCTCCTGGAACCTGGACTACTGGACATACCCTG
GCTCTCTGACCACTCCGCCTCTGCTGGAATGTGTGACCTGGATCGTGCTCAGGGAGCCATTACTGTCAG
CAGCGAGCAGATGTCTATTTCCGTACGCTGAACCTTCAATGAGGAGGGGGATGCTGAAGAAGCGATGGTG
GACAACTGGCGTCCAGCTCAGCCGCTAAAGAATAGAAAGATCAAAGCGTCTTTAAGTAAAAACAACCTG
CAGCAGGGGTCCGAAGGGCACAAGTGTGACCGCCTCTCTGTAGCTAAGCGCAGTTAGGCTGGGTGATTTG
GATCCCGACTCGCATCTGGTATTGTAGACCTTTTACCTCTCATCCGTTGTGCTTACTAACAAAATGTGAA
AAGCAAGACCCAGGTGTCTCATGTGGTGGCAGCACAGTGGCAGGCCAGTGGTCAACTTAGGGCATCTTT
CTCTGCCACGGCAGCGCAATGCAAAGAGCAGACATGGCCTCTTGCTTCTTTCACAGCCATAGGATAATG
AATACTCAGGCCCTGTTTGTAAAAATGCTATTTTTAAAACCATGAAGGTAGGATAATTAATTACAAGTC
CACATCATGAGACAACTGAAGTAACTTAGGCAAAACAGGTAAAACAGTCATAGTTTTGTGATTATAAT
GAGATGAATGTTCCACCTTCCAAGATCTTATTTAAAGAAAAAATTTTAAAAAGCTTATATATTTGTAGC
AAAGTTATTCTTAAATATGAATTATGTTATAAAGTAACTTGTGACTTTTGTATTCTAGAGGTGTAATGAGGAT
GTAAAAATTGATATAGTTGTGATACAGAGTATATTTCCCTTCAAGATAACATACCACAACACAATGGATAA
TGTATTTTAGATATATTCTAATAAAATTGAGAACTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI
ACCN: NM_009801



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Insert Size:	783 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>BC055291</u> , <u>AAH55291</u>
RefSeq Size:	1542 bp
RefSeq ORF:	783 bp
Locus ID:	12349
UniProt ID:	<u>P00920</u>
Cytogenetics:	3 3.23 cM
Gene Summary:	Essential for bone resorption and osteoclast differentiation. Reversible hydration of carbon dioxide. Contributes to intracellular pH regulation in the duodenal upper villous epithelium during proton-coupled peptide absorption. Stimulates the chloride-bicarbonate exchange activity of SLC26A6.[UniProtKB/Swiss-Prot Function]