

## Product datasheet for **MC220654**

### **Ccar1 (BC079652) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccar1 (BC079652) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccar1
Synonyms:	2610511G16Rik; 9430036H15Rik; Carp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC079652  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTCAGTTTGGAGGACAGAAGAATCCACCATGGGCTACTCAGTTTACAGCCACTGCGGTCTCACAAC  
 CAGCTGCACTAGGTGTTACAGCAGCCATCACTTCTGGGAGCATCTCTACCATTTATACCCAGCAGACTGC  
 ATTGGCGCGCCAGGCCCTTACCACACAAAACGCCAGCAAATATCAGTTAACACAAAACCTGCGGCACTGCAG  
 CAACAAGCTGCAGCTGTATTACAGCAGCAATATTCACAACCTCAGCAGGCCTTGTATAGTGTGCAGCAGC  
 AGTTGCAACAACCTCAGCAGACCATTTTAAACACAGCCAGCTGTTGCATTGCCACAAGCCTTAGCCTGTC  
 GACTCCTCAGCCTGCAGCACAGATTACTGTATCATATCCAACACCAAGGTCCAGTCAACAGCAAACCTCAA  
 CCTCAGAAGCAGCGTGTTCACAGGAGTGGTTACAAAGCTACATGATACATTTGGATTTGTGGATGAAG  
 ATGTATTCCTTTCAGCTTGGTGTGTTAAAGGGAAAACCCCAAGTTGGTATAGAGTATTGGTTGAAGC  
 AACTTATAATCCTAATATGCCTTTTAAATGGAATGCACAAGAATTCAAACACTACCAAATCAGAATCAG  
 TCTCAAACGCAACCTTTACTGAAGACTCCGACTGCTGTTATTAGCCGATTGTGCCACAGACAACGTTTG  
 GTGTTACAGGCACAGCCCAACCCAGTCATTATTGCAGGCCAGATCTCAGCTGCCTCTATTACACCACT  
 ATTGACAGCAGCCACAGCCCTTATTACAGCAGCCACAGCAGAAAGCTGGTTTATTGCAGCCTCTGTGC  
 CGAATAGTGTACAGCCACAACCTGCAGCGGAGATTAGATCCACCATCACGATTTTCAGGAAGAAACGACA  
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 AGAGTCCGTGTCGTTCCACGGTACACAGTGCAGTTTTCAAAGTTTTCTTTAGATTGTCCAGTTTAC  
 ACATGATGGAACAAAGGCGCCGTTATCAGAATATATATTCCTAGTGACTTTTTTGTGCTCAGTTTATC  
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 CAAAGGTAATGCTGATGGCTAGCCCTAGTATGGAAGACTTGATCATAAGTCATGTGCTCTTGCTGAAGA  
 CCCACAAGACCTTCGTGATGGTTTTAGCATCCTGCTAGACTTGTAAAGTTTCTAGTGGGAATGAAAGGC  
 AAGGATGAAGCCATGGCCATTGGAGGCCACTGGTCTCTTCGCTGGATGGACCAACCCAGAAAAAGATC  
 CCTCTGTGTTGATTAAGACTGCCATTGTTGTTAAGGCTCTGACAGGCATTGATCTAAGTGTATGCAC  
 ACAGTGGTACCGTTTTGCAGAGATTGCTACCATCGCCCTGAGGAGACCCACAAGGGCGTACAGTTCCA  
 GCTCATGTGGAGACAGTGGTTTTATTTTCCCGGATGTTGGCATTGCCCTCCACCCGCTCAGAGTGGG  
 AAACCCCTCTCCGAGGATACAAGCAGCAGCTGGTGCAGAAAGCTTACAGGGTGAACGCAAGAAGGCTGATGG  
 AGAACAGGATGAAGAAGAGAAGGATGATGGTGAAGTTAAAGAGATCGCCACTCCTACCCATTGGTCTAAG  
 CTTGATCCAAAGGCAATGAAGGTAATGATCTCCGAAAAGAAATTAGAAAGTCGAGCTCTCAGTTCCAAAG  
 GACTAAAAATCGCAGTTAATAGCTCGCTAACAAAGCAGCTTAAAAAGAAAGAAAAAGAGAGCAGAA  
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 CTGCCATAATTGTGCATCCGAACCTGGCTGCAAAAAGTGGCAAGTTTGATTGCAGCATCATGTCTTTGAG  
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 TTCAATGAAATGCTTCAAAGAGACTTTGGGGTTAGAATATACAAATCATTACTCTCTCTCTGAGAAAG  
 AGGACAAAAAGATAAGGAGAAGAAAAGCAAAAAAGAGAGAAAAGATAAAAAGAAAGAAAGAGAAGA  
 TGATATTGATGAACCAAAACCAAAACGGAGAAAATCAGGCGACGATAAAAAAAAAAAAAAAAAAAGAAGA  
 GAGAAAAGATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: BC079652  
 Insert Size: 2532 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC079652</a> , <a href="#">AAH79652</a>
<b>RefSeq Size:</b>	4477 bp
<b>RefSeq ORF:</b>	2531 bp
<b>Locus ID:</b>	67500
<b>Cytogenetics:</b>	10 B4
<b>Gene Summary:</b>	Associates with components of the Mediator and p160 coactivator complexes that play a role as intermediaries transducing regulatory signals from upstream transcriptional activator proteins to basal transcription machinery at the core promoter. Recruited to endogenous nuclear receptor target genes in response to the appropriate hormone. Also functions as a p53 coactivator. May thus play an important role in transcriptional regulation. May be involved in apoptosis signaling in the presence of the retinoid CD437. Apoptosis induction involves sequestration of 14-3-3 protein(s) and mediated altered expression of multiple cell cycle regulatory genes including MYC, CCNB1 and CDKN1A. Plays a role in cell cycle progression and/or cell proliferation (By similarity). In association with CALCOCO1 enhances GATA1- and MED1-mediated transcriptional activation from the gamma-globin promoter during erythroid differentiation of K562 erythroleukemia cells (PubMed:24245781). Can act as a both a coactivator and corepressor of AR-mediated transcription. Contributes to chromatin looping and AR transcription complex assembly by stabilizing AR-GATA2 association on chromatin and facilitating MED1 and RNA polymerase II recruitment to AR-binding sites. May play an important role in the growth and tumorigenesis of prostate cancer cells (PubMed:23887938).[UniProtKB/Swiss-Prot Function]