

Product datasheet for MC223743

Ccar1 (NM_026201) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccar1 (NM_026201) 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
Fully Sequenced ORF:	>MC223743 representing NM_026201 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCAGTTTGGAGGACAGAAGAATCCACCATGGGCTACTCAGTTTACAGCCACTGCGGTCTCACAAC
CAGCTGCACTAGGTGTTCCAGCAGCCATCACTTCTGGGAGCATCTCCTACCATTTATACCCAGCAGACTGC
ATTGGCGCGGCAGGCCCTTACCACACAAACGCCAGCAAATATCAGTTAACACAAACTGCGGCAGTGCAG
CAACAAGCTGCAGCTGTATTACAGCAGCAATATTCACAACCTCAGCAGGCCTTGTATAGTGTGCAGCAGC
AGTTGCAACAACCTCAGCAGACCATTTTAAACACAGCCAGCTGTTGCATTGCCACAAAGCCTTAGCCTGTC
GACTCCTCAGCCTGCAGCACAGATTACTGTATCATATCCAACACCAAGGTCCAGTCAACAGCAAACCTCAA
CCTCAGAAGCAGCGTGTTCACAGGAGTGGTTACAAAGCTACATGATACATTTGGATTTGTGGATGAAG
ATGTATTCTTTCAGCTTGGTGTGTTAAAGGGAAAACCCCAAGTTGGTGATAGAGTATTGGTTGAAGC
AACTTATAATCCTAATATGCCTTTTAAATGGAATGCACAAAGAATTCAAACACTACCAAATCAGAATCAG
TCTCAAACGCAACCTTTACTGAAGACTCCGACTGCTGTTATTAGCCGATTGTGCCACAGACAACGTTTG
GTGTTCCAGGCACAGCCCAACCCAGTCAATTTGCAGGCCAGATCTCAGCTGCCTCTATTACACCACT
ATTGCAGACGCAGCCACAGCCCTTATTACAGCAGCCACAGCAGAAAGCTGGTTTATTGCAGCCTCCTGTC
CGAATAGTGTACAGCCACAACCTGCGCGGAGATTAGATCCACCATCACGATTTTCAGGAAGAAAACGACA
GAGGGGATCAAGTACCTAATAGAAAAGATGACCGAAGTCGTGAAAGGGACAGAGAAAAGCAGACTAG
AGAAAAGTACCTCAGAGGAAACGTTCCCGGGAGAGGTACCCCGGAGAGAAAAGAGAGCGCTCCCTCGG
AGAGTCCGTCGTGTCGTTCCACGGTACACAGTGCAGTTTTCAAAGTTTTCTTTAGATTGTCCAGTTGTG
ACATGATGGAACCTAAGGCGCCGTTATCAGAAGTATATATTCCTAGTGACTTTTTGATGCTCAGTTTAC
ATGGGTGGATGCTTTCCCTTTGTCAAGACCATTTCAACTGGGAAATTAAGTCAATTTTTATGTGATGCAC
CGAGAAGTAGAGTCTTAGAAAAAATATGGCTGTTCTTGATCCACCTGATGCTGACCACCTGTACAGTG
CAAAGGTAATGCTGATGGCTAGCCCTAGTATGGAAGACTTGATCATAAGTCATGTGCTCTTGCTGAAGA
CCCACAAGACCTTCGTGATGGTTTTTCAGCATCCTGCTAGACTTGTTAAGTTTCTAGTGGGAATGAAAGGC
AAGGATGAAGCCATGGCCATTGGAGGCCACTGGTCTCCTTCGCTGGATGGACCAAACCCAGAAAAAGATC



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CCTCTGTGTTGATAAAACCTGCCATTCGTTGTTGTAAGGCTCTGACAGGCATTGATCTAAGTGTATGCAC
 ACAGTGGTACCGTTTTGCAGAGATTCGCTACCATCGCCCTGAGGAGACCCACAAGGGCGTACAGTTCCA
 GCTCATGTGGAGACAGTGGTTTTATTTTTCCCGGATGTTTGGCATTGCCTTCCCACCCGCTCAGAGTGGG
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 CTTGATCCAAAGCAATGAAGGTAATGATCTCCGAAAAGAATTAGAAAAGTCGAGCTCTCAGTCCAAAG
 GACTAAAATCGCAGTTAATAGCTCGCTAACAAAGCAGCTTAAAATAGAAGAACAAAAGAGAGCAGAA
 GGAATTAGAGAAGTCTGAAAAGGAAGGAAGATGAGGATGATAAGAAGTCTGAGGATGATAAAGAGGAA
 GAAGAAAGAAAACGTCAAGAAGAAGTGGAAACGACAGCGTCAAGAAAAGAAGATACATTTTGCCTGATGAAC
 CTGCCATAATTGTGCATCCGAACCTGGGCTGCAAAAAGTGGCAAGTTTGATTGCAGCATCATGTCTTTGAG
 TGTCTTTTGGATTACAGATTGGAAGATAATAAAGAACATTCTTTTGGGTTTCACTGTTTGCAGAACTT
 TTCAATGAAATGCTTCAAAGAGACTTTGGGGTTAGAATATACAAATCATTACTCTCTCTCTCTGAGAAAG
 AGGACAAAAAGATAAAGGAGAAGAAAAGCAAAAAGAAGAGAGAAAAGATAAAAAAGAAGAAAGAGAAGA
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 GAGAGAAAAGAAAGAAAAGAAAAGATGATTCTAAAGATGATGATGAAACTGAAGAAGATAACAATC
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 AAGCCTCAATGGTCCAGTTAACAGGGATCTGCTAATGGCCTTTGTTTTTTGATCAAAGTATTGCG
 GTTACCTTCTTGAAGGATTTGGAAAGAACTATATACTCTTGGACTGCATCTTTCTCGGGCTCAGGT
 AAAGAACTTCTTAATAAAGTAGTACTCCGAGAATCGTGCTTTTATCGGAAATTAACAGACACCTCGAAA
 GATGATGAGAACCATGAAGAGTCAGAGGCACTGCAGGAAGACATGCTAGGAAACAGATTATTACTTCCAA
 CACCAACAATAAAACAGGAATCAAAGATGGAGAGGAAAATGTAGGGCTTATTGTGTACAATGGTCAAT
 GGTGGATGTTGGGAGTCTCTACAAAACTGGAAAAGAGTGAGAAAAGTAAGAGCTGAGGTGGAACAGAAG
 CTCAGTTACTAGAGGAGAAAACAGATGAAGATGGGAAAACATATTAACCTTGGAGAACTTAACAAAA
 GCCTCTCTGTTGAACTTAGAGAGGTCAAAAAGACCTTGGTCAATTACAAGAAAACCTGGAGTTTCAGA
 AAACATGAATTTGCAATTTGAAAACCAATTGAATAAAACACTCAGAAACTTATCTACAGTTATGGATGAT
 ATCCACTGTCTCAAAAAGGATAATGTAAAGAGTGAAGACAGAGATGAGAAATCCAAGGAGAACGGCT
 CAGGTGTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_026201
- Insert Size:** 3441 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:	NM_026201.3 , NP_080477.1
RefSeq Size:	4478 bp
RefSeq ORF:	3441 bp
Locus ID:	67500
UniProt ID:	Q8CH18
Cytogenetics:	10 B4
Gene Summary:	<p>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]</p>