

Product datasheet for **MC219103**

Mccc2 (NM_030026) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mccc2 (NM_030026) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mccc2
Synonyms:	4930552N12Rik; MCCB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219103 representing NM_030026
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGGGCGCGCTGAGGTCAGCTCTGCGACCGTGTGTCGGGCTGCTGTACCCCGCAGCGTGCCTATC
 ACGGGGACTCAGTGGCCGACTGGGCACCCAGCCTGACTCGGCCCTCCACCTACCAGGAGAACTATGA
 GCAGATGAAAGCTTTAGTGAGTCAACTTCATGAGCGAGCCAGTATGTGAGACTAGGAGGGAGTGAGAAG
 GCCCGGGCGCGCACACATCCAGAGGAAAAGTGTCCCCAGAGACAGAATCGACAATCTCATAGACCCAG
 GGTCTCCCTTTCTGGAATTCTCCAGTTTGACAGTTACCAGTTATATGGCGACGAGGAAGTCCCCCGCG
 TGGCATCATCACGGGCATTGGGCGAGTGTGGGGGTAGAATGCATGATTGTGGCTAACGATGCCACCCTC
 AAAGGAGGCACCTACTACCCAGTACTGTGAAAAAGCACGTGCGGGCACAAGAGATTGCGCTGCAGAACC
 GACTCCCATGCATCTATCTGTTGACTCAGGAGGGCCAACTTACCTCGCAAGCAGACACCTTTCCAGA
 CCGGGACCACTTTGGCCGCATATTCTATAATCAGGCAATTATGTCTTCTAAAAACATCACACAGATAGCT
 GTGGTCATGGGCTCCTGTACGGCAGGAGGTGCGTATGTGCTGCAATGGCTGATGAAAACATCATTGTAC
 AGAAGCAGGGTACCATCTTCTGGCTGGACCACCTTGGTGAAGGCAGCTACAGGTGAAGAGGTGTCCGC
 TGAGGATCTCGGAGGTGCCGACCTGCATTGCAGAAAAGTCTGGGGTCACTGACCACTATGCTTTGGACGAC
 CACCACGCCCTCCACTTAAACAAGGAAGTTGTGAGGAGTCTCAATTATCAGAAGAAAATGGATGTTACCA
 TTGAGCCTTCTGAGGAGCCCTTGTCCCTGCAGATGAGCTCTATGGAATAGTTGGTGCAAACCTGAAGAG
 GAGCTTTGATGTCCGAGAGGTCATTGCTAGAATCGTGGATGGAAGCAGATTCAATGAGTTCAAGGCCTTA
 TATGGAGACACCCTAGTTACAGGATTTGCTCGAATATTTGGGTACCCCGTTGGCATCATTGGAAAACAATG
 GAGTTTTGTTTTCTGAATCTGCTAAGAAGGGTGTCTCACTTCGTCCAGCTGTGCTGCCAGAGAAAATCCC
 TCTGCTGTTTCTCAGAATATCACCGGATTCATGGTTGGCAGAGACTATGAAGCTGAAGGATTGCCAAG
 GATGGTGCCAAAATGGTAGCTGCAGTAGCCTGTGCCAAAAGTGCCTAAGATAACTGTCATAATTGGGGGAT
 CGTACGGGGCTGGAACTACGGAATGTGTGGCAGAGCATACAGTCCAAGGTTTCTCTACATGTGGCCAAA
 TGCCCGCATCTCTGTGATGGGAGGAGAGCAGGCAGCCAGGTGTTAGCCACAGTGGCTAGAGACCAGAAA
 GCACGCGAGGGGAAGCAGTTCTCCAGTGCAGAGGAGGCAGCTTTGAAAGAACCATCATTAAAGAGTTTCG
 AAGAGGAAGGGAACCCTTACTACTCTAGTGAAGGCTGTGGGACGATGGGATTATTGACCCGGTGGACAC
 CAGGCTGGTCTGGGCTCAGCCTCAGTGCAGCCCTCAATGCCCCATCCAGAGGACTGACTTTGGCATC
 TTCAGGATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_030026
- Insert Size:** 1692 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:

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_030026.2](#), [NP_084302.1](#)

RefSeq Size: 2146 bp

RefSeq ORF: 1692 bp

Locus ID: 78038

UniProt ID: [Q3ULD5](#)

Cytogenetics: 13 D1

Gene Summary: Carboxyltransferase subunit of the 3-methylcrotonyl-CoA carboxylase, an enzyme that catalyzes the conversion of 3-methylcrotonyl-CoA to 3-methylglutaconyl-CoA, a critical step for leucine and isovaleric acid catabolism.[UniProtKB/Swiss-Prot Function]