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Product datasheet for RN204283

Mccc1 (NM_001009653) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mccc1 (NM_001009653) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mccc1
Synonyms:	MGC95141
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>RN204283 representing NM_001009653
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGGCGGCTCTGTTGGCTGCGGTGGACAGGAACCAGTTGCGGCGGGTCCCGATCCTGCTGCTGC
AGCCGAGGGAATGGCCTTGGAAGCACAGAACCGTGAAATATGGAACAACCCCAGGAGGAAGCATCACCAA
GGTCCTCATTGCAAACAGAGGAGAAATTGCCTGCAGGGTGATACGAACAGCCAGAAAAATGGGTGTACAA
TCTGTGGCTGTTTACAGCGAGGCCGACAGGAATTCCATGCATGTAGATATGGCAGACGAGGCGTATTCCA
TTGGCCCTGCGCCATCTCAGCAGAGCTACCTCGCAATGGAGAAAATCATCCAAGTGGCCAAGAGCTCTGC
AGCACAGGCCATCCATCCAGGATATGGTTTTCTTTCAGAAAATATGGAGTTTGCTGAATTTTGTAAGCAA
GAAGGAATTATTTTTATAGGTCCTCCTTCAACTGCAATTAGAGACATGGGTATAAAGAGCACATCCAAGT
CCATCATGGCTGCCGCTGGAGTACCTGTTGTGGAAGGTTACCATGGCAACGACCAATCTGATGAGTGCCT
GAAAGAGCATGCAGGGAAAATCGGGTATCCTGTGATGATCAAAGCCATCCGTGGTGGAGGAGGAAAAGGC
ATGAGGATCATTAGGTCAGAAAAAGAATTCCAAGAGCAGCTAGAATCAGCCCGGAGGGAGGCAAAGAAGT
CTTTCAACGATGACGCAATGCTGATCGAGAAGTTCGTGGACACGCCAAGGCATGTGGAAGTCCAGGTGTT
TGGTGATCACCATGGCAATGCAGTGTACTTGTTTGAAAGAGACTGTAGTGTGCAGAGGCGACATCAGAAG
ATCATTGAGGAGGCCCCAGCGCCTGGTATTGATCCTGAAGTAAGAAGGAGGCTGGGAGAGGCTGCAGTCA
GAGCTGCGAAGGCTGTCAACTATGTGGGAGCAGGAACTGTGGAATTCATTATGGACTCAAAGCACAATTT
TTATTTCATGGAGATGAACACAAGGCTACAAGTGGAGCATCCGGTCACTGAGATGATCACGGGGACTGAC
TTGGTGGAGTGGCAGCTCAGGATTGCAGCAGGGGAAAAGATCCCTTTGAGCCAGGAAGAAATCCCTCTGC
AGGGCCATGCCTTTGAGGCCAGAATCTATGCAGAGGATCCTGACAATAACTTCATGCCAGGAGCTGGACC
ATTAGTTCACCTCTCTACCCCTCCGCCAGACATGTCTACAAGGATCGAAACTGGAGTACGGCAAGGAGAT
GAAGTCTCGGTGCATTACGACCCCATGATCGCAAAGCTGGTGGTGTGGGCCTCAGATCGCCAGTCAGCCC
TGTCAAAACTGAGATACAGTCTTCATCAGTACAACATTGTTGGCTTGCGCACCAATGTGGACTTCCTGCT
CCGGCTCTCCGGCCACTCAGAGTTTGAAGCTGGGAATGTACACACTGACTTCATCCCTCAACACCACAAG
GACCTGCTGCCCACTCACAGCACCATAGCCAAGGAATCTGTGTGCCAGGCAGCCTTGGGGCTTATCCTCA
AAGAGAAAGAAATGACCAGCGCTTTTAAACTCCACACTCAAGATCAATTCTCTCCGTTTTCATTCAGCAG
TGGGAGAAGACTGAATATCTCTTACACCAGGAACATGACTTTAAGAAGTGGTAAAAACGATATAATCATA
GCTGTGACGTATAACCGAGATGGGTCATATGACATGCAGATTGAAAATAAGTTATTCCGAGTCCTGGGCG
ATCTTTCCAATGAGGATGGCTATACCTACCTGAAGTCTTCTGTTAATGGAGTAGCCAGTAAATCCAAGTT
CATCCTCCTGGACAACACCATCTACCTGTTTTCTATGGAAGGCAGTATTGAAGTTGGCATTCCAGTACCC
AAGTACTTGTCTCCAGTGAGTGCAGAAGGAACTCAGGGAGGCACCATCGCTCCCATGACTGGAACCATTG
AAAAGGTGTTCGTGAAGGCTGGAGACAGAGTAAAGGCTGGAGACGCTCTGATGGTTATGATCGCCATGAA
GATGGAGCACACCATAAAAGCCCCAAAGGACGGCAGGATAAAAAAGGTGTTTTTCAGTGAAGGAGCCCAA
GCCAACAGACATGCACCTTTAGTGGAGTTTGAAGAGGAGGAAGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001009653

Insert Size: 2148 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_001009653.1, NP_001009653.1
RefSeq Size:	2409 bp
RefSeq ORF:	2148 bp
Locus ID:	294972
UniProt ID:	Q5I0C3
Cytogenetics:	2q25
Gene Summary:	Biotin-attachment 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]