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Product datasheet for MC202568

Mmachc (NM_025962) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmachc (NM_025962) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmachc
Synonyms:	1810037K07Rik; CblC
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC054756 sequence for NM_025962
TGCGTTATGGAGCCGCGAGTCGCAGAGCTGAAGCAGAAGATTGAGGACACCTTGTGTCCTTTTGGCTTCG
AAGTTTATCCCTTCCAGGTGGCGTGGTACAATGAACTCCTGCCTCCAGCCTTCCACTTGCCCTTCCCAGG
ACCTACCCTGGCCTTCCTGGTACTCAGCACACCTGCTATGTTTGACAGAGCCCTCAAACCCTTCTTAAAG
AGCTGCCACTTCCAAACACTGAGAGACCCGGTGGATCAATGTGTGTCCTACCACCTGAGGAGTGTTACAG
AGAAGTTTCCAGAAGTGCATATGGAAGTCATTGCTGACTATGAGGTACACCCCAATCGGCGACCTAAGAT
TCTCGCCCAGACAGCAGCCCATGTGGCAGGTGCTGCTTATTACTACCAACGACAAGATGTGGATGCAGAC
CCATGGGGGACCCAGCACATAGCAGGTGTGTGCATACACCCCCGATTTGGGGGCTGGTTTGCCATCCGAG
GGGTTATGTTGCTGCCAGGGATTGAAGTGCCAAATTTGCCACCCAGAAAGCCCCCTGACTGTGTGCCTAC
AAGAGCTGGCCGCATCACTCTGCTTGAAGGTTTCAATTTCCATTGGCGGGACTGGACTTACCGTGATGCT
GTGACTCCTGAAGAACGGTACTCCGAAGAACAGAAGATCTACTTTTCCACCCCACCTGCCCAACGCTTGG
CCCTATTAGGCTTAGCCCAACCCTCAGAACACCCTAGCACTACATCTGAGCTTCCTCTTTCCTTGCTTAC
TAAACCTCAGAATTCCAGGAGAGCTCGAAGCTGGCTGAGTCCAAGTGTCTCACCACCTGTATCCCCAGGC
CCTTGATAACTTTTCCCCTTCAGGATCCCACTCATAGTAGATTTATTTTAAGTAGGATTTGGGTTTTGAA
AAAAACACTTTCTCCTTTTTTAGTTTTTTTGAGACAAGGTTCCTCTATGTAGCTCAGACCAGGTTGGCCT
CAAGCTAAGAGAGATCCATCTGCCTCTGTCTTCTCCAGAGTGCTGATTTTTTGCACTGTGGAAAAACCAT
TTTATTTTAGGTAGGATTTCCTGATAATAGTGCTTCAGACAGTCAAGACTCAATTTACATTGGTCAAGAT
AAATCATATGCCAAGGCAGACTCAAAAATCAGCAGTTGACTTCAAATATTAGACTCATGCCCATTACTAT
TTTTTTGTTTTTGTTTTTTGTTTTTTCAAGACAGGGTTTCTCTGTGTAGCCCTGGCTGTCCTGGAACTCA
CTCTGTTGACCAGGCTGGCCTCAAACTCAGAAATCCACCTGCCTCTGCCTCCCGAGTGCTGGGATTAAAG
GCGTGCACTACCAAGCCCGGCTTTGTGTAGTACTCTTAAGATACTATTTAAGAACCATGGTTCTCACTGT
TCGTTCCTAAAGCTGCTATCATTTAATGCAGTTCCTCATGTTGTAGTGACCGCAACCATAAAATTATTTT
TGTTGCTACCTAATAATTTTGCTAGTTATGAATCAATTGTCTTAGGGAATCCAGTGAAAGGGTTGTTCAA
CAACCCCTGGGGGCTGAGAATCACAGATTTAGCAGCTCCTAGGGGTACCCACCACATTGAGCTATGCTGA
ATTAATATTTAAGTAAACTACATTGAAACTGCCCCGACCTACAGTGTGCTATTACTAAAGGCTCAGGCAA
TCTTATACTTATGCTCAAATAGATGTACTTTGAATTCTGGAATGTTGGAAGGACATGATGTCATAGGATT
ATTTTGTCAACCCTAACCAAGAATCCAGAAGAAACTTCCTGACTTTACAGGATCAGAAAGGAATATTCTC
TCATCACAGCTAAAATACAAGTAGTTGAATACAATCATATCCAAAGCCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_025962

Insert Size: 669 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: BC054756, AAH54756

RefSeq Size:	1889 bp
RefSeq ORF:	669 bp
Locus ID:	67096
UniProt ID:	Q9CZD0
Cytogenetics:	4 D1
Gene Summary:	Catalyzes the reductive dealkylation of cyanocobalamin to cob(II)alamin, using FAD or FMN as cofactor and NADPH as cosubstrate. Can also catalyze the glutathione-dependent reductive demethylation of methylcobalamin, and, with much lower efficiency, the glutathione-dependent reductive demethylation of adenosylcobalamin. Under anaerobic conditions cob(I)alamin is the first product; it is highly reactive and is converted to aquocob(II)alamin in the presence of oxygen. Binds cyanocobalamin, adenosylcobalamin, methylcobalamin and other, related vitamin B12 derivatives.[UniProtKB/Swiss-Prot Function]