

Product datasheet for RN209292

Mmadhc (NM_001004280) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmadhc (NM_001004280) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mmadhc
Synonyms:	CbID; RGD1303272
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209292 representing NM_001004280 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCATGTGCTCTGTAACAGAGCCAGACTGGTTTCCTATCTCCAGGATTTTGTCTCTAGTGAAAA
GAGTTATCAATCCAAGAGCCTTTTCAACTGCAGGATCGTCAGGTTCCGATGAGTCTCACGTGGCCACTGC
ACCTCCAGATATATGCTCTCGGACAGTGTGGCCTGATGAAACCATGGGACCCTTTGGACCTCAGGACCAG
AGATTCCAGCTTCTGGGAATATAGGCTTCGATTGTCACCTCAATGGGACAGCCTCACAGAAGAAAAAGCC
AGGCCATAAAACCTTGCCTGATGTTCTAGCAGAGCCTTTTCAACCGAAAGGCACGAGTTTGTGATGGC
CCAGTATGTGAATGAGTTTCAGGATAGCAATGCACCTGTTGAGCAAGAGATCAGCAGTGCAGAACTTAC
TTTGAAAGTGCCAGAGTTGAGTGTGCCATCCAGACATGTCCCGAACTGCTGCGGAGAGATTTTGTGATCAC
TTTTTCCAGAGGTGGCTAATAGCAAACCTGATGATTCTGACTGTAACCCAGAAAACCTGAACATGACATGAC
TGTCTGGAGTGAAGAGGTAGAAGTTGAGAGAGAGGCGCTCTTGGAGAAGTTCATTAATGGTGCTAAGGAA
ATTTGCTATGCTCTTCGGGCTGAAGGATACTGGGCTGACTTCATTGACCCGTCGCTGGTTTGGCATT
TTGGACCATATACAAACAACACTTTTTGAAACAGATGAACGGTACCGGCATTTAGGATTCTCTGTTGA
TGACCTTGGCTGCTGAAGGTGATCCGTCATGGTCTCTGGGCACTCATGTGGTTGTGGGAAGTATCTTC
ACTAATGCAACAGCAGACAGCCATATCATGAGGAAGCTCAGTGGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001004280
Insert Size:	891 bp



[View online »](#)

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:	<u>NM_001004280.1</u> , <u>NP_001004280.1</u>
RefSeq Size:	1332 bp
RefSeq ORF:	891 bp
Locus ID:	362134
UniProt ID:	<u>Q6AYQ6</u>
Cytogenetics:	3q12
Gene Summary:	Involved in cobalamin metabolism. Plays a role in regulating the biosynthesis of two coenzymes, methylcobalamin and adenosylcobalamin. Plays a role in regulating the proportion of methylcobalamin and adenosylcobalamin. Promotes oxidation of cob(II)alamin bound to MMACHC.[UniProtKB/Swiss-Prot Function]