

Product datasheet for **MC202563**

Cyb5r3 (NM_029787) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyb5r3 (NM_029787) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyb5r3
Synonyms:	0610016L08Rik; 2500002N19Rik; C85115; Dia-1; Dia1; WU:AL591952.1-001; WU:AL591952.1-002
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC043074 sequence for NM_029787
 CCGGTTGTTGGGGGAGCGGCCGGCTGAGTAGCGGGTGTAGAACCCTGCGTGAGGCCACCGTCTCTTCTTC
 GCCACCATGGGGGCCAGCTGAGCACGTTGAGCCACGTGGTGCTCTCGCCCGTCTGGTTCATCTACAGTC
 TCTTCATGAAGCTGTTTCAGCGCTCCACACCGGCCATCACCTCGAGAACCCCGACATCAAGTACCCCTCT
 GAGGCTCATCGACAAGGAGGTATCAGTCTGACACTCGGCGCTCCGATTTGCCCTCCCTTACCCCCAG
 CACATCTGGGCCTTCTATTGGCCAACACATCTACCTCTGACTAGGATCGATGGCAACTTGGTCATTTC
 GGCCCTACACCCCTGTGTCGAGCGATGATGACAAGGGCTTTGTGGACTTGGTGGTCAAGGTTTACTTCAA
 GGACACCCATCCCAAGTTTCCAGCTGGAGGAAAATGTCTCAGTACCTGGAAAACATGAAGATTGGAGAC
 ACCATTGAATTCGGGGTCCCAATGGGCTACTGGTCTACCAGGGCAAAGGAAAGTTTGCCATCCGTGCAG
 ACAAGAAGTCCAACCCGTTGTGTCAGGACGGTGAAGTCTGTAGGCATGATTGCAGGAGGGACAGGCATCAC
 CCCAATGCTGCAGGTGATCCGAGCCGCTCTGAAGGACCAAAACGACCACACCGTGTGCTATCTGCTCTTT
 GCCAACCAAGTCCGAGAAAGATATCTGTTGCGGCCTGAGCTGGAGGAACTGAGGAACGAACATTCTGCTC
 GCTTCAAGCTCTGGTACACAGTGGACAAAGCCCTGATGCCTGGGACTATAGCCAGGGCTTCGTGAATGA
 GGAGATGATCAGGGACCCTTCCAACCTCTGGGAGGAGCCGCTGATACTGATGTGTGGACCCCAACCA
 ATGATCCAGTTTGCCTGTTTGCCTAAACCTGGAGCGTGTGGCCATCCCAAGGAGCGATGCTTACCTTCT
 GATGGCTGGACGCTGGCCAAGCCTGTGCCTGCTGCTCACGCACTACCACAACCCTGTCCACCCCTTC
 CTCCCCACCACTGTCGCTCACCTGACATATGCCACATCCATGCTGGGGCCTGGGTTACGCTGGCCT
 GCCCAGCCCTGGTTCATCCAGCTGTACTGGCCCTGGGGGGCCCTTTGGGAGCAGGCCTGTGATCAGGT
 GACTTCTGTTGACCCTCTCTGAATAGGCTTCTGTCTGGTACTAACTGGCCATTACCAGAGATGTCTGT
 GACTACCCCTTACACATAGACACACACACACACACACACACACACAGAGACAGGAGAGAGAGAGAGA
 GAG
 AAGAGGAAG
 AGAGGGAGGGAGAGCGTGAGCGTGAGCTGTCAGTACCATGTCTACCCATTGCCATGAACGTGGTCTATA
 GAAAGGAAGTGAAGGTAATAGTACCTACGGTCTTAGGAACCATGCCTGCCACCTAACCACTACCTG
 CCTTAGGCCATAGCCTGGCCTGTGCCCTAAACACTACATTAGACAGTGACACCAAAAGGTTTTCTTAGG
 AGGGTGTCTGGCAGAGACAGGCCAGCCCCACTTGTGCCAGGGGTCCCTTGGGGCAGCACGTGGACCC
 TTCCAAAACCTATACACACTGCCCCGACTCCATGCAGTCTTGAGTGCCCTAAGTTGTGAGCCCAACAGAG
 TTTGGTAGACCTTGGGGTCCCTGGCTTATCTCTCCACCCAAACCTCCTTCTGTCTGGTCCCCAGCCT
 GGGGGGGTTCTGAGCAGTGCCTTGTCTTGGAGACAGACCTGGTGCCTGGCGTGCCTTACGACAGGCAG
 CAGGCAGCCTCCTGCACACTGGCTTTTTTAGTCATTTATGGGCAAAAAGAGTTAAAGTAAAACCTTGCAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_029787

Insert Size: 906 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: [BC043074](#), [AAH43074](#)

RefSeq Size: 2066 bp

RefSeq ORF: 906 bp

Locus ID: 109754

UniProt ID: [Q9DCN2](#)

Cytogenetics: 15 39.4 cM

Gene Summary: Desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction.[UniProtKB/Swiss-Prot Function]