

Product datasheet for **RN214638**

Cyb5r3 (NM_138877) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyb5r3 (NM_138877) Rat Untagged Clone
Tag: Tag Free
Symbol: Cyb5r3
Synonyms: Dia1; Nadhcb5; RNNADHCB5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214638 representing NM_138877
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGGCCAGCTGAGCACGTTGAGCCGAGTGGTACTCTCCCCGGTCTGGTTCGTCTACAGCCTTTCA
TGAAGCTGTTTCAGCGCTCCTCACGGCCATCACCTCGAGAACCCCGACATCAAGTACCCTCTGCGGCT
CATCGACAAGGAGATTATCAGCCAGGACTCGGCGCTTCGGATTGCACTCCCTTCGCCCCAGCACATC
CTGGGCCTTCTATCGGCCAGCACATCTACCTCTCCACCAGGATCGATGGCAACTTGGTCATTCTGTCCT
ACACCCCTGTGTCTAGTGATGATGACAAGGGCTTTGTGGACTTGGTGGTCAAGGTTTACTTCAAGGACAC
GCATCCCAAGTTTCCAGCTGGAGGGAAAATGTCTCAGTACCTGGAAAACATGAATATTGGAGACACCATT
GAATCCGGGGCCCAATGGGCTACTGGTCTACCAGGGCAAAGGGAAAGTTCGCCATCCGTGCAGACAAGA
AGTCCAACCCTGTTGTCAGGACGGTGAAGTCTGTAGGCATGATTGCAGGAGGGACAGGCATACCCCAAT
GCTGCAGGTGATCCGAGCCGTCTGAAGGACCCGAACGACCACACTGTGTGCTATCTGCTCTTCGCCAAC
CAGTCCGAGAAAGACATCCTGCTGCGGCCTGAGCTGGAGGAACGAGGAACGAACATTCTCTCGCTTCA
AGCTCTGGTACACAGTGGACAAAGCCCGATGCCTGGGACTATAGCCAAGGCTTCGTGAATGAGGAGAT
GATCAGGGACCATCTCCACCTCCTGGGAGGAGACACTGATACTGATGTGTGGACCCCCACCGATGATC
CAGTTTGCTGTTTGCCAAACCTGGAGCGTGTGGCCATCCCAAGGAGCGATGCTTCACCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_138877
Insert Size: 906 bp



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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_138877.1</u> , <u>NP_620232.1</u>
RefSeq Size:	1893 bp
RefSeq ORF:	906 bp
Locus ID:	25035
UniProt ID:	<u>P20070</u>
Cytogenetics:	7q34
Gene Summary:	catalyzes the conversion of NADH, H ⁺ , and 2 ferricytochrome b(5) to NAD ⁺ and 2 ferrocycytochrome b(5) [RGD, Feb 2006]