

## Product datasheet for **RN208908**

### Cyb5r1 (NM\_001013126) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cyb5r1 (NM\_001013126) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cyb5r1  
**Synonyms:** Nqo3a2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN208908 representing NM\_001013126  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGGATCCAGCCGAGCCCGGTCTTGCTAGCCTCTCTGGGGTGGGGCTGTTTACCCTGTTCCGGCCTGG  
CTCTGGGTACCTACTTGGTTTGAAGATCCCGCCGCCACAGGTCCTCTCCAGGACCCGGATGAGAAGTA  
CCTGCTGCGATTGCTGGACAAGACGACAGTGAGCCACAACACCAGGAGTTCCGCTTTGCCCTGCCACC  
GCCACCACATTCTGGGGCTGCCTGTGGGTAAGCAGTCTACCTCTGCCCCGAATTGATGGCAGTCAGG  
TCATCAGGCCTTACACTCCTGTCACCAGCGATGAAGACCAGGGCTATGTAGATCTTGTATCAAGGTTTA  
TCTGAAAGGTGTGCACCCAAATTTTCTGAAGGAGGGAAGATGTCTCAGTACCTGGATAGCCTGAAGATT  
GGGGATGTGGTGGAGTCCGGGGCCGAGTGGGTTGCTCAGTTATGCTGGGAAAGGGAATTTTAAACATTC  
AGCCCAACAAAAATCCACCTGAAGTGCAGTGGCTAAGAAATGGGAATGATTGCTGGCGGGACAGG  
AATCACCCCAATGCTGCAGCTGATCCGGGCCATCTTGAAGTCCCTGAAGATCCAACCCAGTGCCTTCTG  
CTTTTTGCCAACCCAGACTGAAAAGGACATAATCCTGCGGGAGGACCTAGAGGAGCTGCAGGCCCAATATC  
CTATCCGCTTTAAGCTCTGGTTCACCCTGGACTACCCTCCAGAAGACTGGACCTACAGCAAGGGCTTGT  
TACCGCCGACATGATCCAGGAGCACCTGCCTGCCCCAGCAGAGGATGTGCTGCTGCTTTGTGGGCCA  
CCACCTATGGTACAGCTGGCCTGCCACCCGAACCTGGATAAGCTGGGCTATTACAGAAGATGCGATTCA  
CCTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001013126  
**Insert Size:** 918 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001013126.1</a> , <a href="#">NP_001013144.1</a>
<b>RefSeq Size:</b>	1695 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	304805
<b>UniProt ID:</b>	<a href="#">Q5EB81</a>
<b>Cytogenetics:</b>	13q13
<b>Gene Summary:</b>	NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction. [UniProtKB/Swiss-Prot Function]