

## Product datasheet for **MC212883**

### Cyb5rl (NM\_175471) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cyb5rl (NM\_175471) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cyb5rl  
**Synonyms:** 2810410C14Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212883 representing NM\_175471  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAACAATAAAGACCTTGAGAGCTGTTCTGCCAAGCTGAGTCCAGAGACTTTCCTGGCCTTCCACATCA  
GCACCATGGAGAAGGTCACCAAGGACACCTATCTGTCCGGTTTACACTACCCGGGAACAGTCGGCTCGG  
CCTGCGTCTGGACAGCACCTCATCCTACGAGGTGTAGTAGATGGCTTAGAGATTCAGAGAGCCTACACT  
CCCATCAGCCCTGTCAGTGCAGAAAGATACTTTGACGTTTTAATCAAGTGTACCGGACTGGGCTGATGT  
CCCAGTATGTGGAGTCATGGAGAACAGGAGACACAGCCTTCTGGCGAGGGCCTTTCGGAAGCTTCTTATA  
TGAACCAAGAAGTACGGCGAGCTCCTCATGCTAGCGGCTGGCACAGGCCTGGCCCCATGGTGCCAATC  
CTGCAGAGCATCACAGACGCAAGATGATGAGACCTTTGTCACCTTGGTCGGCTGCTTCAAGACCTTCG  
AGGGCATCTACCTGAAGACCTTCTCCAGGAACAGGCCAGGTTCTGGAACGTGCAAACCTTCTTTGTCCT  
CAGTCAGGAGGTCTCCCCAGAACAGCTTCCCTGGAGCTACCGTGACAAGACCCATTTTGGCCGCCTGGGC  
CAGGAGCTGGTTGCTGAAGTGGTGGCTGCTGCCGGAGAAAGCCGTTTACCTTAGTCTGTGGCTCACCTG  
CATTTAATGAGGACATGGCTAGGTGTTGCTGTCTGCTGGCCTGACTGAGGACTCCTACTTCTCTTCTA  
G

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_175471  
**Insert Size:** 771 bp



[View online »](#)

<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_175471.2</a> , <a href="#">NP_780680.1</a>
<b>RefSeq Size:</b>	1638 bp
<b>RefSeq ORF:</b>	771 bp
<b>Locus ID:</b>	230582
<b>UniProt ID:</b>	<a href="#">B1AS42</a>
<b>Cytogenetics:</b>	4 C7
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform 2, which has a shorter and distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>