

## Product datasheet for **RN207082**

### Cybb (NM\_023965) Rat Untagged Clone

#### Product data:

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | Expression Plasmids                 |
| Product Name:             | Cybb (NM_023965) Rat Untagged Clone |
| Tag:                      | Tag Free                            |
| Symbol:                   | Cybb                                |
| Synonyms:                 | Gp91-phox; Nox2                     |
| Mammalian Cell Selection: | Neomycin                            |
| Vector:                   | pCMV6-Entry (PS100001)              |
| E. coli Selection:        | Kanamycin (25 ug/mL)                |



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**Fully Sequenced ORF:** >RN207082 representing NM\_023965  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAACTGGGCTGTGAATGAGGGACTCTCCATCTTTGTCATTCTGGTGTGGTTGGGGCTGAATGTCT  
 TCCTCTTTGTCAAGTATTACAAGTTTATGACGATGAGCCTAAATAAATTACACTCGAAAACTTCTGG  
 GTCAGCACTGGCTCTGGCCCGGGCACCTGCAGCCTGCCTGAATTTCAACTGCATGCTGATCTTGCTGCCA  
 GTGTGTCGGAATCTCCTCTCCTTCTCAGGGGTTCCAGTGCCTGTTGCTCAACCAGAATTCGAAGACAAC  
 TGGACAGGAACCTTACTTTCCATAAGATGGTAGCTTGGATGATAGCACTCACACGGCCATTACACCAT  
 TGCACATCTGTTCAACGTGGAGTGGTGTGAATGCCAGAGTCGGGACTTCGGACCCATATTCAGTAGCA  
 CTCTCTAACATTGGAGACAAAGAAAATGAAGATATCTCAATTTTCTAGAGAAAAATCAAGAACCCTG  
 AAGGGGGCCTGTATGTGGCTGTGACTCGGTTGGCTGGCATCACAGGAATTGTCATCACACTGTGTCTTAT  
 ATTGATCATCACATCCTCCACAAAACCATTTCGGAGGCTTACTTTGAAGTGTCTGGTATACACCCAT  
 CTCTTTGTGATCTTCTCATCGGCCTTGCCATCCATGGAGCTGAACGAATTGTACGTGGACAGACTTCGG  
 ACAGTTTGAAAGAGCATAATTTAGATGTTTGTGCAGACAAAATCAAGAATGGGGAAAAATAAAGGAGTG  
 CCCAGTACCAAAGTTTGGCCGAAACCCTCCTATGACTTGGAAATGGATCGTGGTCCCATTGTTCTGAT  
 CTGTGTGAGAGGCTGGTGCAGTTTGGCGATCTCAGCAGAAGGTGGTCAATACCAAGGTGGTCACTCATC  
 CTTTCAAACCATCGAGCTTCAGATGAAGAAGAAGGGATTTCAGGATGGAGTGGGACAATACATTTTCGT  
 CAAGCGTCCCGCAGTGTCCAAGCTGGAGTGGCACCCCTTACCCTGACCTCTGCCCTGAGGAAGACTTC  
 TTTAGCATCCATATCCGATTGTTGGCGACTGGACAGAGGGACTGTTCAAAGCCTGTGGCTGTGATAAGC  
 AGGAGTTTCAAGATGCCTGGAACTACCTAAGATAGCAGTTGATGGGCCCTTTGGTACAGCCAGTGAAGA  
 TGTGTTACAGCTATGAGGTGGTGTGTTAGTGGAGCTGGGATTGGAGTCACGCCCTCTGCCTCCATTCTC  
 AAGTCTGTCTGGTACAAATATTGTGACAATGCCACCAGTCTGAGACTCAAAAAGATCTACTTCTACTGGC  
 TGTGCAGGGACACGCATGCTTTTGTGAGTGGTTCGCAGACCTGCTGCAGCTCCTGGAGACCCAGATGCAAGA  
 AAGAAACAATGCCAACTTCTCAGCTACAACATCTACCTTACTGGCTGGGATGAATCTCAGGCCAATCAC  
 TTTGCTGTGCACCAGTATGAGGAGAAAGATGTGATTACAGGCCTAAAACAGAAGACTCTGTATGGACGGC  
 CCAACTGGGATAACGAGTTCAAGACCATTGCAAGTCAACACCCCAACACCAGAATAGGAGTTTTTCTGTG  
 TGGCCCCGAAGCCTTGGCTAAAACCTCTCAGTAAACAGAGCATCTCCAACCTGAGTCCGGCCACGTTGGA  
 GTCCACTTCATCTTCAACAAGGAAAACCTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1683\\_a10.zip](https://cdn.origene.com/chromatograms/ja1683_a10.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_023965

**Insert Size:** 1713 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:** [NM\\_023965.1](#), [NP\\_076455.1](#)

**RefSeq Size:** 1713 bp

**RefSeq ORF:** 1713 bp

**Locus ID:** 66021

**Cytogenetics:** Xq12

**Gene Summary:** subunit of coronary microvascular endothelial cell NAD(P)H oxidase [RGD, Feb 2006]