

## Product datasheet for **SC329438**

### **CYBC1 (NM\_001193653) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CYBC1 (NM\_001193653) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CYBC1  
**Synonyms:** C17orf62; CGD5; Eros  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329438 representing NM\_001193653.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

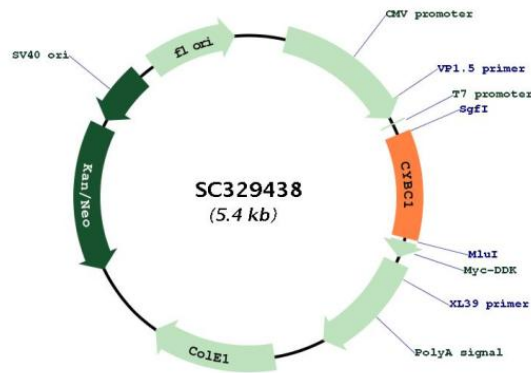
```
ATGTACCTGCAGGTGGAGACCCGCACCAGCTCCCGCTCCATCTGAAGAGGGCTCCAGGCATCCGGTCC
TGGTCCCTGCTGGTTGGAATCTTGTCGATTGGCCTGGCTGCTGCCTACTACAGCGGAGATAGCCTGGGC
TGGAAAGCTCTTCTACGTACAGGCTGCCTGTTTGTGGCTGTGCAGAACTTGGAGGACTGGGAGGAAGCC
ATCTTCGACAAGAGCACAGGGAAGGTTGTTTTGAAGACGTTACAGCCTCTACAAGAAGCTGCTGACTCTT
TTCAGAGCTGGCCACGACCAGGTGGTGGTCTGCTCCATGATGTCCGTGATGTGAGCGTGGAGGAGGAG
AAGGTCCGGTACTTCGGGAAAGGCTACATGGTGGTGTCCGGCTTGCACGGGCTTCTCCCACCCCTC
ACGCAGAGTGCAGTCATGGGCCACCGCAGTGATGTGGAAGCCATCGCCAAGCTCATCACCAGCTTCTCG
GAGCTGCACTGCCTTGAGAGCCCCACAGAGCTGTCTCAGAGCAGCGACAGTGAGGCCGGTGACCCCTGCA
AGCCAGAGCTGA
```

**Restriction Sites:** Sgfl-Mlul



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Plasmid Map:



**ACCN:** NM\_001193653

**Insert Size:** 564 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\\_001193653.1](#)

**RefSeq Size:** 2437 bp

**RefSeq ORF:** 564 bp

**Locus ID:** 79415

**UniProt ID:** [Q9BQA9](#)

**Cytogenetics:** 17q25.3

**Protein Families:** Transmembrane

**MW:** 20.8 kDa

**Gene Summary:** Necessary for a stable expression of the CYBA and CYBB subunits of the cytochrome b-245 heterodimer. Controls the phagocyte respiratory burst and is essential for innate immunity. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (4) uses a different splice site in the 5' UTR, compared to variant 1. Variants 1, 4, 5, 6, and 7 all encode isoform a.