

Product datasheet for **SC324452**

CYBC1 (NM_001033046) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYBC1 (NM_001033046) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYBC1
Synonyms:	C17orf62; CGD5; Eros
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001033046.1
 GGCACGAGGGACCGCTGTGCTCTCGACCCCTCCTCTGTAGAGAGTGGTGTGCCCTCTC
 GGGATGTACCTGCAGGTGGAGACCCGCACCAGCTCCCGCTCCATCTGAAGAGGGCTCCA
 GGCATCCGGTCTGGTCCCTGCTGGTTGGAATCTTGTGATTGGCTGGCTGCTGCCTAC
 TACAGCGAGATAGCCTGGGCTGGAAGCTTTCTACGTACAGGCTGCCTGTTTGTGGCT
 GTGCAGAACTTGGAGGACTGGGAGGAAGCCATCTCGACAAGAGCACAGGGAAGTTGTT
 TTGAAGACGTTTACGCTCTACAAGAAGCTGCTGACTCTTTTCAGAGCTGGCCACGACGAG
 GTGGTGGTCTGCTCCATGATGTCCGTGATGTGAGCGTGGAGGAGGAGAAGGTCCGGTAC
 TTCGGAAAGGCTACATGGTGGTCTCCGGCTTGCACGGGCTTCTCCACCCCTCACG
 CAGAGTGCAGTCATGGGCCACCGCAGTGTGGAAGCCATCGCCAAGCTCATCACCAGC
 TTCCTGGAGTGCCTTGGAGACCCACAGAGCTGTCTCAGAGCAGCGACAGTGTGAG
 GCCGGTACCCTGCAAGCCAGAGCTGACAGCCCACTGTGCTGAGCCCGTGCACCGCCC
 ACAGGACCCATGGCACATTCCCGGTGTGCTGAGCCCGTGCACCGCCACAGGACCCGTG
 GCACATTCCCGGTGTGCTGAGCCCGTGCACCGCCACAGGACCCGTGGCACATTCCCGG
 TGTGCTGAGCCCGTGCACCGCCACAGGACCCGTGGCACATTCCCGGTGTGCTGAGCC
 CGTGCACCGCCACAGGACCCGTGGCCTTGGCTTCAAGTGGTGCCTCCAGCCGAGTTGGC
 CTATTGCCTGCTCATGCTGCTGCTTGCACACTGCATGAAACAGCAGGCCAGACCAGGACA
 TCCAGACTTTCTCCATCGTGAGGCTGGGCTGCCTTTCTGCAGCCGGAGGTCTCGCCAG
 CCCTGGACTCCTGCTTTGGGCCACAGCAAGACCTCGGGCGAGTGGAGAGGGCGGGCCAGG
 CCGGGCCCTTGTGGTGTGATGCTGCATGTTGTCCCCGACACAGCGTCTCTCCCTGGT
 GGACATCCCCAGCGGTGAGGTGCTTCCCCAAGGGCAGTGGGGTGAACATCCAGGGCT
 ACCTGGCTGTGCACGCTGCAGCCACTGTGGAAGCTGCCCTCCCCGAGGACCCGCCTC
 CTTTGTGATGCCAGGATCTCGGGCATAGACCACTGTGCCCCAGCGGTGTCACAGAAA
 GGTCTCTGTCTCACACTCAGCTTACGATGAGTGTGAGGCCAGAAAAAAGTTCAG
 CTCTTCTAGTATCGTGCAGTGTAAAAACCGGGAGCTCCAGCCGGGCGAGTGGTTCAT
 GCCAGTAATCCCAGCACTTTCGGAGGCCGAGGTGGGAGGATTGCTTGGAGCCAGGAGTTC
 AAGACCAGCCTGGGCAACACAGCAAGATCCTGTCTTTGTAATAAATAACCAAACAGGA
 AAAACTGGGAGATTTTCTGCAGAAATTGAGTTCAGCCTCTCTCGAACCTGGGAAGACCT
 GGCAGGAGGGGCTGGGCTCTCGGCTACAGACTTCTCCCCACCCGTTAGGAGCTGAACGC
 CAACCATCCTGACCCGCCAGTGTCTTGGTCTCCTGAGTGTACCCAGTCTCTCCAGGTG
 CGGTGTGACCGAGCGCCTGGCTGATGCCCTGGCCTGTGAGCTGGGACTCCTGGGC
 CCTGTGAGCCCTAGGCGCAGGCCAGGAATGGCTGGGTAGGACAGGGAACACCTTTGC
 CCCACGTCTGGCTGTGACCTCGGTGAAAGCCGACAGGAGAGAGATGGGACCCCTCCTCT
 AGTAGTGGCTGCCAGTCCCTCGTTGACAGGACAGGGTATCATAACCATAAATAACCCCTT
 ACGTGTCAA

Restriction Sites: Please inquire

ACCN: NM_001033046

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001033046.1, NP_001028218.1</u>
RefSeq Size:	2040 bp
RefSeq ORF:	564 bp
Locus ID:	79415
UniProt ID:	<u>Q9BQA9</u>
Cytogenetics:	17q25.3
Protein Families:	Transmembrane
Gene Summary:	<p>Necessary for a stable expression of the CYBA and CYBB subunits of the cytochrome b-245 hetrodimer. Controls the phagocyte respiratory burst and is essential for innate immunity. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 4, 5, 6, and 7 all encode isoform a.</p>