

Product datasheet for **SC316672**

CYBC1 (NM_001100407) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYBC1 (NM_001100407) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYBC1
Synonyms:	C17orf62; CGD5; Eros
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316672 representing NM_001100407. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTACCTGCAGGTGGAGACCCGCACCAGCTCCC GCCTCCATCTGAAGAGGGCTCCAGGCATCCGGTCC
TGGTCCCTGCTGGTTGGAATCTTGTGCGATTGGCCTGGCTGCTGCCTACTACAGCGGAGATAGCCTGGGC
TGGAAGCTCTTCTACGTCACAGGCTGCCTGTTTGTGGCTGTGCAGAACTGGAGGACTGGGAGGAAGCC
ATCTTCGACAAGAGCACAGGGAAGGTTGTTTTGAAGACGTT CAGCCTCTACAAGAAGCTGCTGACTCTT
TTCAGAGCTGGCCACGACCAGGTGGTGGTCTGCTCCATGATGTCCGTGATGTGAGCGTGGAGGAGGAG
AAGGTCCGGTACTTCGGGAAAGGCTACATGGTGGTGTCTCCGGCTTGCACGGGCTTCTCCACCCCTC
ACGCAGAGTGCAGTCATGGGCCACCGCAGTGATGTGGAAGCCATCGCCAAGCTCATCACCAGCTTCCTG
GAGCTGCACTGCCTTGAGAGCCCCACAGAGCTGTCTCAGAGCAGCGACAGTGAGGCCGGTGACCCCTGA
AGCCAGAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001100407
Insert Size:	564 bp



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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_001100407.2</u>
RefSeq Size:	2217 bp
RefSeq ORF:	564 bp
Locus ID:	79415
UniProt ID:	<u>Q9BQA9</u>
Cytogenetics:	17q25.3
Protein Families:	Transmembrane
MW:	20.8 kDa
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 (1) encodes the longest protein (isoform a). Variants 1, 4, 5, 6, and 7 all encode isoform a.</p>