

# Product datasheet for RC200706

## CYBA (NM\_000101) Human Tagged ORF Clone

### **Product data:**

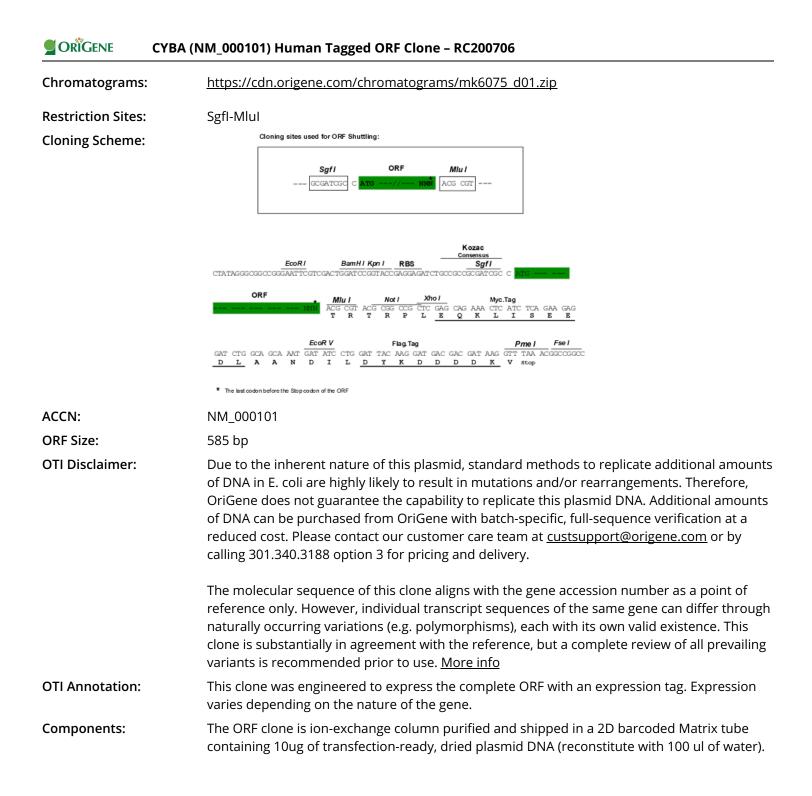
#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	CYBA (NM_000101) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	СҮВА
Synonyms:	CGD4; p22-PHOX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC200706 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGCC</mark>
	ATGGGGCAGATCGAGTGGGCCATGTGGGCCAACGAGCAGGCGCTGGCGTCCGGCCTGATCCTCATCACCG GGGGCATCGTGGCCACAGCTGGGCGCTTCACCCAGTGGTACTTTGGTGCCTACTCCATTGTGGCGGGGCGT GTTTGTGTGCCTGCTGGAGTACCCCCGGGGGAAGAGGAGAAGAAGGGCTCCACCATGGAGCGCTGGGGACAG AAGTACATGACCGCCGTGGTGAAGCTGTTCGGGCCCTTTACCAGGAATTACTATGTTCGGGCCGTCCTGC ATCTCCTGCTCTCGGTGCCGCCGGCTTCCTGCTGGCCACCATCCTTGGGACCGCCTGCCT
Protein Sequence:	ACAAGGATGACGACGATAAGGTTTAA >RC200706 protein sequence Red=Cloning site Green=Tags(s)
	MGQIEWAMWANEQALASGLILITGGIVATAGRFTQWYFGAYSIVAGVFVCLLEYPRGKRKKGSTMERWGQ KYMTAVVKLFGPFTRNYYVRAVLHLLLSVPAGFLLATILGTACLAIASGIYLLAAVRGEQWTPIEPKPRE RPQIGGTIKQPPSNPPPRPPAEARKKPSEEEAAAAAGGPPGGPQVNPIPVTDEVV TRTRPLEQKLISEEDLAANDILDYKDDDDKV



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

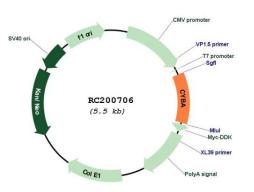
# **CYBA (NM\_000101) Human Tagged ORF Clone – RC200706**

Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 000101.4</u>
RefSeq Size:	778 bp
RefSeq ORF:	588 bp
Locus ID:	1535
UniProt ID:	<u>P13498</u>
Cytogenetics:	16q24.2
Domains:	cytochr_b558a
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Leukocyte transendothelial migration
MW:	21 kDa
Gene Summary:	Cytochrome b is comprised of a light chain (alpha) and a heavy chain (beta). This gene encodes the light, alpha subunit which has been proposed as a primary component of the microbicidal oxidase system of phagocytes. Mutations in this gene are associated with autosomal recessive chronic granulomatous disease (CGD), that is characterized by the failure of activated phagocytes to generate superoxide, which is important for the microbicidal activity of these cells. [provided by RefSeq, Jul 2008]

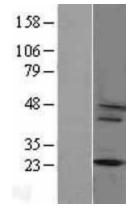
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



### **Product images:**



Circular map for RC200706



Western blot validation of overexpression lysate (Cat# [LY400029]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200706 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US