

Product datasheet for **RC200706L4V**

CYBA (NM_000101) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CYBA (NM_000101) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CYBA
Synonyms:	CGD4; p22-PHOX
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000101
ORF Size:	585 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200706).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000101.2
RefSeq Size:	778 bp
RefSeq ORF:	588 bp
Locus ID:	1535
UniProt ID:	P13498
Cytogenetics:	16q24.2
Domains:	cytochr_b558a
Protein Families:	Druggable Genome, Transmembrane



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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]