

### **Product datasheet for RC200604L1**

#### OriGene Technologies, Inc.

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# Cytochrome b5 Outer Mitochondrial Membrane (CYB5B) (NM\_030579) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Cytochrome b5 Outer Mitochondrial Membrane (CYB5B) (NM\_030579) Human Tagged Lenti

**ORF Clone** 

Tag: Myc-DDK

Symbol: Cytochrome b5 Outer Mitochondrial Membrane

Synonyms: CYB5-M; CYPB5M; OMB5

**Mammalian Cell** 

Selection:

None

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

**ORF Nucleotide** 

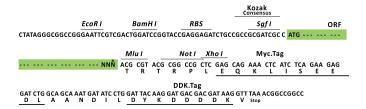
The ORF insert of this clone is exactly the same as(RC200604).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM 030579





# Cytochrome b5 Outer Mitochondrial Membrane (CYB5B) (NM\_030579) Human Tagged Lenti ORF Clone - RC200604L1

ORF Size: 438 bp

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.

**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:** <u>NM 030579.2</u>, <u>NP 085056.1</u>

 RefSeq Size:
 4286 bp

 RefSeq ORF:
 453 bp

 Locus ID:
 80777

 UniProt ID:
 043169

 Cytogenetics:
 16q22.1

Domains: heme 1

**Protein Families:** Transmembrane

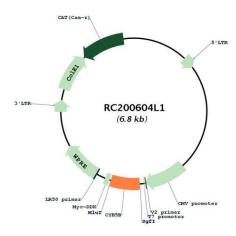
MW: 16.3 kDa

**Gene Summary:** Cytochrome b5 is a membrane-bound hemoprotein functioning as an electron carrier for

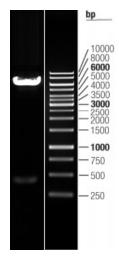
several membrane-bound oxygenases.[UniProtKB/Swiss-Prot Function]



## **Product images:**



Circular map for RC200604L1



Double digestion of RC200604L1 using Sgfl and Mlul  $\,$