

## **Product datasheet for RC203155L1**

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OriGene Technologies, Inc.

# Product data:

**Product Type:** Expression Plasmids

Product Name: NDUFB6 (NM\_002493) Human Tagged Lenti ORF Clone

NDUFB6 (NM\_002493) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: NDUFB6
Synonyms: B17; CI
Mammalian Cell None

Selection:

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(RC203155).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_002493

ORF Size: 384 bp





### NDUFB6 (NM\_002493) Human Tagged Lenti ORF Clone - RC203155L1

**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 002493.3</u>

 RefSeq Size:
 873 bp

 RefSeq ORF:
 387 bp

 Locus ID:
 4712

 UniProt ID:
 095139

Cytogenetics: 9p21.1

**Protein Families:** Transmembrane

**Protein Pathways:** Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation,

Parkinson's disease

MW: 15.5 kDa

**Gene Summary:** The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone

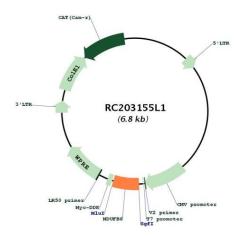
oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Alternative splicing

occurs at this locus and three transcript variants encoding distinct isoforms have been

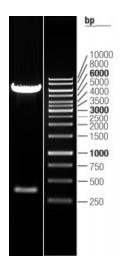
identified. [provided by RefSeq, Jan 2011]



# **Product images:**



Circular map for RC203155L1



Double digestion of RC203155L1 using Sgfl-Mlul