

## **Product datasheet for MR200352**

## Ndufb3 (NM 025597) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Ndufb3 (NM\_025597) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Ndufb3

**Synonyms:** 2700033I16Rik; CI-B12

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR200352 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCTGCTGGACATGACATGAACATGGACATGAACATGGACATGGCCATGGTAAAATGGAACTTCCAG ATTACAGACAGTGGAAAATTGAAGGGACGCCATTAGAAACGGTGCAGAAGAAGCTTGCTGCCCGAGGGCT GAGGGATCCATGGGCTCGCAATGAGGCTTGGAGATACATGGGCGGCTTTGCAGGCAACATCACCTTCCCG AGTGTAATATTAAAAGGATTCAAATGGGGGTTTGCTGCGTTTGTGGTAGCTTTGGGGGCTGAATATTTCC

TGGATTCCCAGAATGGTGATAAGAAGCATCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200352 protein sequence

Red=Cloning site Green=Tags(s)

MAAGHGHEHGHEHGHGKMELPDYRQWKIEGTPLETVQKKLAARGLRDPWARNEAWRYMGGFAGNITFP

SVILKGFKWGFAAFVVALGAEYFLDSQNGDKKHH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

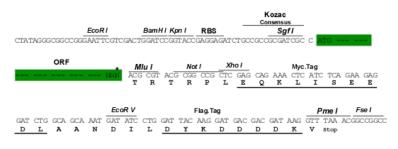
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## **Cloning Scheme:**





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

**ACCN:** NM\_025597

ORF Size: 315 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 025597.3</u>

RefSeq Size: 532 bp RefSeq ORF: 315 bp



 Locus ID:
 66495

 UniProt ID:
 09CQZ6

Cytogenetics: 1 C1.3

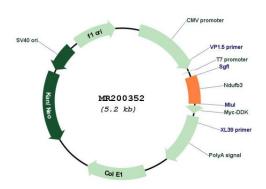
**MW:** 11.7 kDa

**Gene Summary:** Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase

(Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the

enzyme is believed to be ubiquinone.[UniProtKB/Swiss-Prot Function]

## **Product images:**



Circular map for MR200352