

## **Product datasheet for MR200747**

## Ndufa6 (NM\_025987) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Ndufa6 (NM\_025987) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Ndufa6

**Synonyms:** 14kDa; 2700038D15Rik; B230217P19Rik

Mammalian Cell Neomycin

Selection:

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

ORF Nucleotide >MR200747 representing NM\_025987

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCGGCCGCGGCCACCGGCCTGCGCCAAGCTGCTGCTGCGGCAGCCAGTACCTCGGTGAAGCCCATTT TCAGTCGCGACCTGAACGAGGCCAAGCGGAGGTGCCGCAGCTTACCGCGCTTGGTATCGGGAGGTGCC GAACACCGTGCACTTAATGCAGCTGGATATCACGGTGAAACAAGGACGGGATAAAGTCCGAGAAATGTTC ATGAAGAATGCCCATGTCACAGACCCCAGAGTGGTTGATCTGCTGGTCATTAAGGGAAAGATGGAGCTCC AGGAAACCATCAAAGTATGGAAGCAGCGGACACACGTTATGCGGTTTTTCCATGAAACAGAAACACCAAG

GCCAAAGGATTTCTTATCTAAGTTCTATATGGGCCATGACCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mm9051\_e02.zip">https://cdn.origene.com/chromatograms/mm9051\_e02.zip</a>

**Restriction Sites:** Sgfl-Mlul



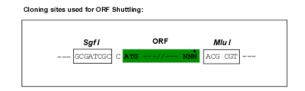
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

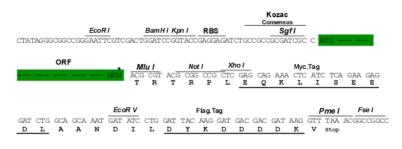
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



## **Cloning Scheme:**





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

**ACCN:** NM\_025987

ORF Size: 393 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 025987.3, NP 080263.1</u>

 RefSeq Size:
 560 bp

 RefSeq ORF:
 396 bp

 Locus ID:
 67130

 UniProt ID:
 Q9CQZ5

 Cytogenetics:
 15 E1

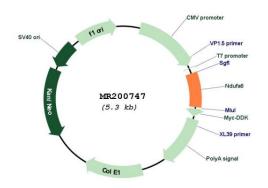
 MW:
 15.7 kDa

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

(Complex I), that is believed to be not involved in catalysis. Required for proper complex I assembly. 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 MR200747