

## **Product datasheet for MR219117**

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OriGene Technologies, Inc.

## Ndufa4l2 (NM 001098789) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Ndufa4l2 (NM 001098789) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Ndufa4l2
Synonyms: BC064011
Mammalian Cell Neomycin

Selection:

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

ORF Nucleotide >MR219117 representing NM\_001098789
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCAGGAACTAGTCTAGGGACCCGCTTCTACCGGCAGATAAAAAAGACACCCTGGGCTCATCCCAATGA TTGGCTTCATCTGCTTGGGCATGGGCAGTGCCGGACTCTACTTGCTGCGACTTGCCCTGCGCAGTCCTGA TGTCTGCTGGGACAGAAAGAACAACCCAGAGCCCTGGAACCGCCTGAGTCCCAATGACCAGTACAAGTTC

CTTGCCGTTTCAACCGACTACAAGAAGCTGAAGAAGGACCGGCCAGACTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219117 representing NM\_001098789

Red=Cloning site Green=Tags(s)

 ${\tt MAGTSLGTRFYRQIKRHPGLIPMIGFICLGMGSAGLYLLRLALRSPDVCWDRKNNPEPWNRLSPNDQYKF}$ 

LAVSTDYKKLKKDRPDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

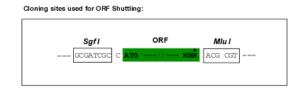
Chromatograms: <a href="https://cdn.origene.com/chromatograms/mm9026">https://cdn.origene.com/chromatograms/mm9026</a> c09.zip

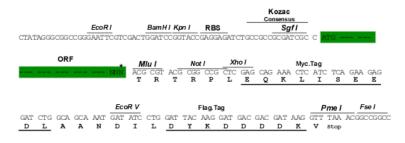
Restriction Sites: Sgfl-Mlul





#### **Cloning Scheme:**





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

**ACCN:** NM 001098789

ORF Size: 261 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts

of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:customercare">customercare</a> team at <a href="ma

calling 301.340.3188 option 3 for pricing and delivery.

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:** NM 001098789.1, NP 001092259.1

 RefSeq Size:
 986 bp

 RefSeq ORF:
 264 bp

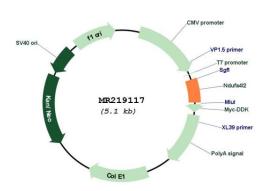
 Locus ID:
 407790

 UniProt ID:
 Q4FZG9

 Cytogenetics:
 10 D3

 MW:
 10.5 kDa

# **Product images:**



Circular map for MR219117