

Product datasheet for MR215726

Ndufab1 (NM_028177) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufab1 (NM_028177) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ndufab1
Synonyms: 8kDa; 2210401F17Rik; 2310039H15Rik; 2610003B19Rik; 9130423F15Rik; ACP; CI-SDAP; SDAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215726 representing NM_028177
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTCGTCTCTGCGCCTGTGTCGCCCGCTGCCCGCGCCTTCGCGCCGCTGCCCGGCTTC
CCACGTTGGCCTTGGCGCGGCCGCTCAGCACCACCCTATGCCCTGAGGGAATCCGGAGGAGACCCGGGC
TCTGCAGTCCGCCTTGGCGCTCGCGCAGGTGCCTGGAACAGTACACATTTGTGCCGCCAGTACAGTGAC
GCACCCCACTGACGTTAGACGGAATCAAGGACCGAGTCTGTATGTCTTGAACCTATGATAAGATTG
ATCCAGAAAAGCTCTCCGTAATTCTCATTATGAAGGACCTGGGCTTAGACAGTTGGACCAAGTGGA
AATTATTATGGCCATGGAAGACGAATTTGGGTTTGAATTCCTGATATAGATGCAGAGAAGTTAATGTGT
CCACAAGAAATTGTAGATTACATTGCAGATAAGAAGGATGTGTATGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215726 representing NM_028177
Red=Cloning site Green=Tags(s)

MASRVLCACVRRLPAAFAPLPRLPTLALARPLSTTLCPGIRRRPGALQSALALAQVPGTVTHLCRQYSD
APPLTLDGIKDRVLYVLKLYDKIDPEKLSVNSHFMKDLGLDSLQVEIIMAMEDEFGEIPDIDAELKLMC
PQEIVDYIADKKDVYE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_a05.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028177

ORF Size: 468 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: [NM_028177.4](#)

RefSeq Size: 800 bp

RefSeq ORF: 471 bp

Locus ID: 70316

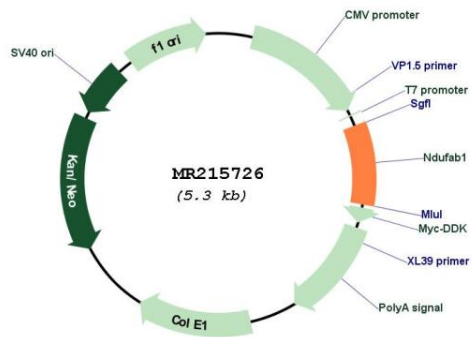
UniProt ID: [Q9CR21](#)

Cytogenetics: 7 F2

MW: 17.8 kDa

Gene Summary: Carrier of the growing fatty acid chain in fatty acid biosynthesis (By similarity). Accessory and non-catalytic subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which functions in the transfer of electrons from NADH to the respiratory chain (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215726