

Product datasheet for **MG217539**

Ndufb6 (NM_001033305) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufb6 (NM_001033305) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ndufb6
Synonyms: CI-B17; Gm137
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217539 representing NM_001033305
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGGGTACACGCCGGATGAGAAGCTGCGGCTGCAGCAGCTGCGGGAGCTAAGGAGACGATGGCTGA
 AGGACCAGGAGCTGAGTCCCGGGAGCCCGTGTGCCCGCGCAGGATGTGGCCCTGGAGCGATTCTG
 GGATAACTTTTTGCGGGACGGGGCCGTGTGAAGAACATGGTCTTTAAGGCGTACCGCTCCAGTCTCTTC
 GCTGTTTCTCATGTGCTTATACCTATGTGTTTGTCACTATTATGTCAAATATCATATGGCTACTAAAC
 CATAACCATTGTAGCTCGAAGCCAGGATATTTCCAGGTGATACAATTCTGGAGACTGGAGAAGTAAT
 TCCACCAATGAGAGATTTTCTGATCAACATCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217539 representing NM_001033305
 Red=Cloning site Green=Tags(s)
 MSGYTPDEKLRLQQLRELRRLKQELSPREPVLPFRMPLERFWDNFLRDGAVWKNMVFKAYRSSLF
 AVSHVLIPMWFVHYVYKYHMAKPYTIVSSKPRIFPGDTILETGEVIPPMDRDFPDQHH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:



ACCN: NM_001033305

ORF Size: 384 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_001033305.3](#), [NP_001028477.1](#)

RefSeq Size: 534 bp

RefSeq ORF: 387 bp

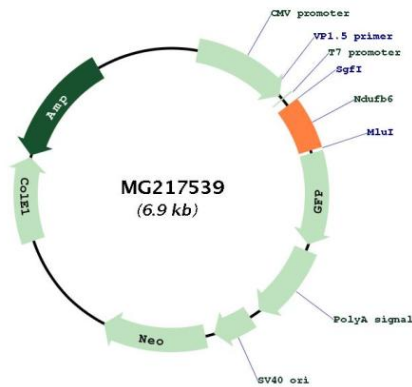
Locus ID: 230075

UniProt ID: [Q3UIU2](#)

Cytogenetics: 4 A5

Gene Summary: This gene encodes a subunit of complex I (NADH:ubiquinone oxidoreductase) of the mitochondrial respiratory chain. This complex functions in electron transport and generation of a proton gradient across the inner mitochondrial membrane to drive ATP synthesis. Data from human cell lines suggests that the encoded subunit may be required for electron transfer activity. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MG217539