

Product datasheet for **MG201172**

Ndufab1 (NM_028177) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufab1 (NM_028177) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ndufab1
Synonyms: 8kDa; 2210401F17Rik; 2310039H15Rik; 2610003B19Rik; 9130423F15Rik; ACP; CI-SDAP; SDAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201172 representing NM_028177
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTCTCGTCTCTGCGCCTGTGTCCGCCCTGCCCGCGCCTTCGCGCCGCTGCCCGGCTTC
 CCACGTTGGCCTTGGCGCGGCCGCTCAGCACACCCTATGCCCTGAGGGAATCCGGAGGAGACCCGGGGC
 TCTGCAGTCCGCCTTGGCGCTCGCGCAGGTGCCTGGAACAGTACACATTTGTGCCGCCAGTACAGTGAC
 GCACCCCACTGACGTTAGACGGAATCAAGGACCGAGTCTGTATGTCTTAAACTCTATGATAAGATTG
 ATCCAGAAAAGCTCTCCGTAATTCTCATTTTATGAAGGACCTGGGCTTAGACAGTTTGGACCAAGTGA
 AATTATTATGGCCATGGAAGACGAATTTGGGTTTGAATTCCTGATATAGATGCAGAGAAGTTAATGTGT
 CCACAAGAAATTGTAGATTACATTGCAGATAAGAAGGATGTGTATGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201172 representing NM_028177
 Red=Cloning site Green=Tags(s)

MASRVLCACVRRLPAAFAPLPRLPTLALARPLSTTLCEGIRRRPGALQSALALAQVPGTVTHLCRQYSD
 APPLTLGDIKDRVLYVLKLYDKIDPEKLSVNSHFMKDLGLDSLQVEIIMAMEDEFGEIPDIDAELKLMC
 PQEIVDYIADKKDVYE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

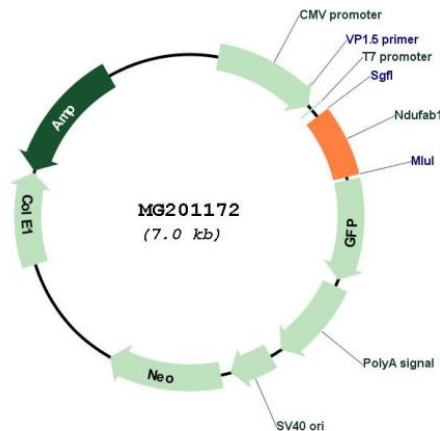


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_028177

ORF Size: 797 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:	<ol style="list-style-type: none">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_028177.4</u>
RefSeq Size:	801 bp
RefSeq ORF:	471 bp
Locus ID:	70316
UniProt ID:	<u>Q9CR21</u>
Cytogenetics:	7 F2
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]