

Product datasheet for **MG224673**

Ndufaf2 (NM_001127346) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufaf2 (NM_001127346) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ndufaf2
Synonyms: 1810058I14Rik; C86051; mimitin; Ndufa12l
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224673 representing NM_001127346
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGGTGGTCCGGTGTGTGGCGCTCTGTTTGGAGCGCCTTGTCAGGGAGGTGAGGGAGCACGTGG
GCACGGACCATCTGGGGAACAAATACTACTACGTCGCGGAGTACAAGAACTGGAGAGGGCAGACTATTTCG
AGAGAAAAGGATTGTAGAAGCAGCGAACAGAAAAGAGGTAGACTATGAAGCAGGAGACATCCCAACCGAG
TGGGAAGCATGGATTAGAAGAACAAGGAAGACTCCACCCACTATGGAGGAAATACTAAAGAATGAAAAGT
ACAGAGAAGAAATTTAAATAAAAAGCCAAGATTTTATGAAAAAGATAAACTCGGTAAGAAACCCAGTGA
AGAACTCTGCCTTACCTACTGCAACTCAAGTTAAAGGGCACGCCTCTGCCCGTATTTTGAAGGGAA
GAGCCCTCAGTGGCTCCCACCAGCACTGGCAAGACTTTTCAGCCAGGGTCTGGACGCCAGAAGATGGCA
AAAGACAAAGTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224673 representing NM_001127346
Red=Cloning site Green=Tags(s)

MSWWSGVWRSVWSALSREVRHVGTDLGNKYYYYVAEYKNWRGQTIREKRIVEAANRKEVDYEAGDIPT
WEAWIRTRKTPPTMEEILKNEYREEIKIKSQDFYEKDKLGKETSELLPSPTATQVKGHASAPYFGRE
EPSVAPTSTGKTFQPGSWTPEDGKRQSQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_001127346.1, NP_001120818.1</u>
RefSeq Size:	696 bp
RefSeq ORF:	507 bp
Locus ID:	75597
UniProt ID:	<u>Q59J78</u>
Cytogenetics:	13 D2.1
Gene Summary:	Acts as a molecular chaperone for mitochondrial 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]