

Product datasheet for **MG201729**

Ndufaf3 (NM_023247) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufaf3 (NM_023247) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ndufaf3
Synonyms: 4733401H18Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201729 representing NM_023247
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACTGCTCTAGGATTTTCGCTGCCTTTCCGAACGCGACCTGCGCCGCTCTGTGGCACGTCGACC
GGCTGTGGAGGAACCCGCGTCGGGGACACCGGCTTTCTCCGGCGGACGATGAGTTATACCAGCGGACTCG
CATCTCACTGCTGCAAAGCGAGTTCCTCAGGCCGTGTACATCGACAGCTACAGTAGCAGAGGCTTCACT
ATCTGCGGAAATCGCGTGTGGCCCTTTCGCTGCTGCCACAGACGGTGGTCCATTGGAACGTGGGAT
CTCATCAGGATATCACTGAAGAGAGCTTCTCCCTTTCTGGATGCTGGAACCTAGGATAGAGATTGTTGT
GGTGGGCACTGGAACAAGACTGAGCGGCTGCACCCTCAAGTACTACAGGCCATGAGGCAGCGGGGAATT
GCTGTGGAGGTCCAGGACACGCCAATGCTGTGCCACTTTCAACTTCTGTGCCACGAAGTTCGAGTGA
CAGGAGCTGCCCTCATTCCCCTCTGGAGAGACTGCACTGGCTTCTTTGGGTCAAGCCTCAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201729 representing NM_023247
Red=Cloning site Green=Tags(s)

MATALGFRCLFRTRPAPLCRHVDRLWRNPRRGHRLSPADDELYQRTRISLLQSEFPQAVYIDSYSRRGFT
ICGNRVFGPCVLLPQTVVHWNVGSQDITEESFSLFWMLEPRIIEIVVVGTKNKTERLHPQVLQAMRQRGI
AVEVQDTPNACATFNFLCHEGRVTGAALIPPPGETALASLGQASE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



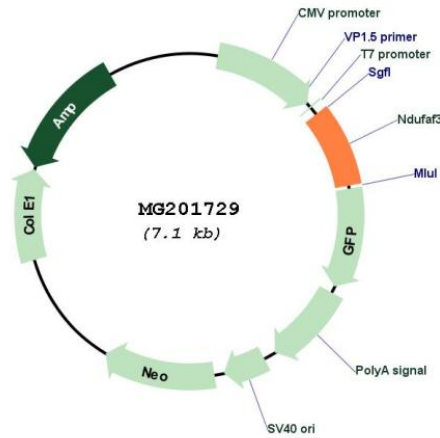
[View online >](#)

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_023247

ORF Size: 555 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.

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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_023247.1</u> , <u>NP_075736.1</u> |
| RefSeq Size: | 1092 bp |
| RefSeq ORF: | 558 bp |
| Locus ID: | 66706 |
| UniProt ID: | <u>Q9JKL4</u> |
| Cytogenetics: | 9 F2 |
| Gene Summary: | Essential factor for the assembly of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I).[UniProtKB/Swiss-Prot Function] |