

# Product datasheet for MG215953

## Ndufv3 (NM\_001083891) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

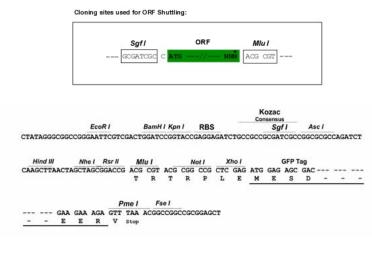
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Expression Plasmids
Ndufv3 (NM_001083891) Mouse Tagged ORF Clone
TurboGFP
Ndufv3
1500032D16Rik
Neomycin
pCMV6-AC-GFP (PS100010)
Ampicillin (100 ug/mL)
>MG215953 representing NM_001083891 Red=Cloning site Blue=ORF Green=Tags(s)
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
ATGGCGGTCTCTCCTCCTGCGGGGAGGACGGATCCGGGCGCTGAAGGCTGTGCTCCTGGAGGCAAGGG TGTTCCCGGGAGAACTGGTTTCTGTAGTGAGGCTGTCTACAGAGTCAGAGAAGAGTGCAAAGGAGAAAGA GCTACATCCCAAGACACAAAGTGTGCTCAAAGAGCCCGAGCCGACTGACACCACCACCTACAAGAACCTG CAGCACCATGACTACAACACATACACCTTCCTGGACCTGAACCTGGACCTCTCCAAATTCAGGCTGCCAC AGCCGTCTTCAGGACGAGAGTCACCTCGGCAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
>MG215953 representing NM_001083891 Red=Cloning site Green=Tags(s)
MAVSLLLRGGRIRALKAVLLEARVFPGELVSVVRLSTESEKSAKEKELHPKTQSVLKEPEPTDTTTYKNL QHHDYNTYTFLDLNLDLSKFRLPQPSSGRESPRH
TRTRPLE - GFP Tag - V
Sgfl-Mlul

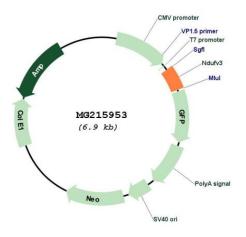


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#### **Cloning Scheme:**



Plasmid Map:



ACCN:
ORF Size:
OTI Disclaimer:

NM\_001083891

#### 312 bp

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. <u>More info</u>

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	8 (NM_001083891) Mouse Tagged ORF Clone – MG215953
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 001083891.1, NP 001077360.1</u>
RefSeq Size:	502 bp
RefSeq ORF:	315 bp
Locus ID:	78330
UniProt ID:	<u>Q8BK30</u>
Cytogenetics:	17 B1
Gene Summary:	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. 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. May be the terminally assembled subunit of Complex I. [UniProtKB/Swiss-Prot Function]

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