

Product datasheet for **MG215953**

Ndufv3 (NM_001083891) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndufv3 (NM_001083891) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ndufv3
Synonyms: 1500032D16Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215953 representing NM_001083891
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTCTCTCCTCCTGCGGGGAGGACGGATCCGGGCGCTGAAGGCTGTGCTCCTGGAGGCAAGGG
TGTTCCCGGGAAGTGGTTTCTGTAGTGAGGCTGTCTACAGAGTCAGAGAAGAGTGCAAAGGAGAAAGA
GCTACATCCCAAGACACAAAGTGTGCTCAAAGAGCCCGAGCCGACTGACACCACCACCTACAAGAACCTG
CAGCACCATGACTACAACACATACCTTCCTGGACCTGAACCTGGACCTCTCAAATTCAGGCTGCCAC
AGCCGTCTCAGGACGAGAGTCACCTCGGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215953 representing NM_001083891
Red=Cloning site Green=Tags(s)
MAVSLLLRGGRIKAVLLEARVFPGELVSVVRLSTSEKSAKEKELHPKTQSVLKEPEPTDTTTTYKNL
QHHDYNTYTFDLNLDLSKFRPQPSSGRESRPH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_001083891.1</u> , <u>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]