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

Product datasheet for MG200352

Ndufb3 (NM_025597) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndufb3 (NM_025597) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ndufb3
Synonyms:	2700033I16Rik; CI-B12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG200352 representing NM_025597
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCTGGACATGGACATGAACATGGACATGAACATGGACATGGCCATGGTAAAATGGAACTTCCAG
ATTACAGACAGTGGAAAATTGAAGGGACGCCATTAGAAACGGTGCAGAAGAAGCTTGCTGCCCGAGGGCT
GAGGGATCCATGGGCTCGCAATGAGGCTTGGAGATACATGGGCGGCTTTGCAGGCAACATCACCTTCCCG
AGTGTAATATTAAAAGGATTCAAATGGGGGTTTGCTGCGTTTGTGGTAGCTTTGGGGGCTGAATATTTCC
TGGATTCCCAGAATGGTGATAAGAAGCATCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

Protein Sequence:

```
>MG200352 representing NM_025597
Red=Cloning site Green=Tags(s)

MAAGHGHEHGHEHGHGHGKMELPDYRQWKIEGTPLETVQKKLAARGLRDPWARNEAWRYMGGFAGNITFP
SVILKGFKWGFAAFVVALGAEYFLDSQNGDKKHH

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

View online »

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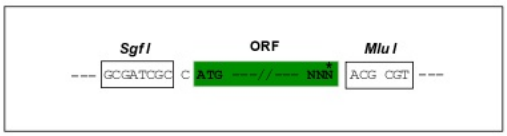
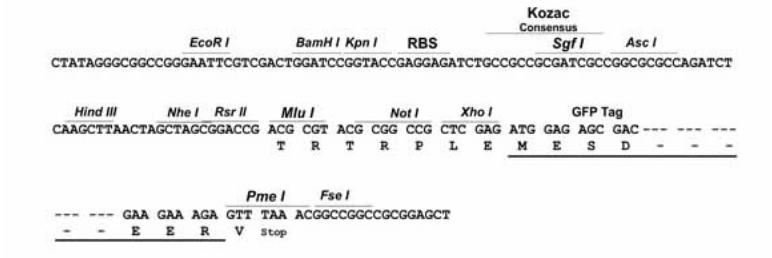
Cloning Scheme:





ACCN:	NM_025597
ORF Size:	312 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:	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:	NM_025597.3
RefSeq Size:	533 bp
RefSeq ORF:	315 bp

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Locus ID:	66495
UniProt ID:	Q9CQZ6
Cytogenetics:	1 C1.3
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.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG200352

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