

## Product datasheet for **MG215813**

### Ndufa12 (NM\_025551) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ndufa12 (NM\_025551) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ndufa12  
**Synonyms:** 2410011G03Rik; AW112974  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG215813 representing NM\_025551  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAGATGAGAATGGAGCTGGTGGAGTCTGAAGCGCGCGTGCAGCAGGTACCGGCCACGGCGGCC  
TGCGGGGCTCTACGGTTTTCTTCAGGGCAAATGATATAAGGATTGGTACACTGGTGGGAGAAGACAA  
ATATGGAAATAAATACTACGAAGACAACAAGCAATTTTTGGCCGCCACCGATGGGTCATCTACACCACC  
GAGATGAACGGCAAAAACACATTCTGGGATGTGGATGGAAGCATGGTGCCTCCTGAGTGGCACCGCTGCC  
TTCACATGACTGACGACCCTCCGACGACTAATCCACCGACTGCTCGTAAATTCATCTGGACAAACCA  
TAAATTCATGTGTCTGCCACTCCAGAGCAATACGTTCTTATCCACCACTAGAAAGGAGATTCATGAA  
TGGGTTCCACCTTCGACACCTTACAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG215813 representing NM\_025551  
Red=Cloning site Green=Tags(s)

MQRMELVEVLKRGVQVTVGHGGLRGLLRVFFRANRDIRIGTLVGEDKYGNKYEDNKQFFGRHRWVIYTT  
EMNGKNTFWDVDGSMVPEWHRWLHCMTDDPPTNPPTARKFIWTHNKFVNSATPEQYVYVYSTRKEIHE  
WVPPSTPYK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



[View online »](#)



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_025551.3, NP_079827.2</u>
<b>RefSeq Size:</b>	561 bp
<b>RefSeq ORF:</b>	450 bp
<b>Locus ID:</b>	66414
<b>UniProt ID:</b>	<u>Q7TMF3</u>
<b>Cytogenetics:</b>	10 C2
<b>Gene Summary:</b>	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]