

## Product datasheet for **SC117329**

### NDUFA3 (NM\_004542) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFA3 (NM_004542) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFA3
Synonyms:	B9; CI-B9
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004542 edited ATGGCTGCGAGAGTCGGCGCCTTCTCAAGAATGCCTGGGACAAGGAGCCAGTGCTGGTC GTGTCCTTCGTTCGTTCGGGGGCCCTCGCTGTAATTCTGCCCCATTGAGCCCCTACTTCAAG TACTCCGTCATGATCAACAAGGCCACGCCCTACAACCTACCCAGTGCCCGTCCGTGATGAT GGGAACATGCCCGACGTGCCAGCCACCCAGGACCCTCAGGGCCCCAGCCTGGAGTGG CTGAAGAACTGTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004542 unedited CGGCCGGAATTCGGCAGGCGGANACAAAGATGGCTGCGAGAGTCGGCGCCTTCTCTC AAGAATGCCTGGGACAAGGAGCCAGTGTGGTCGTGTCCTTCGTTCGTTCGGGGCCCTCGCT GTAATTCTGCCCCATTGAGCCCCTACTTCAAGTACTCCGTCATGATCAACAAGGCCACG CCCTACAACCTACCCAGTGCCCGTCCGTGATGATGGGAACATGCCCGACGTGCCAGCCAC CCCCAGGACCCTCAGGGCCCCAGCCTGGAGTGGCTGAAGAACTGTGAGCACCTCCACTG ACAGAGGCGGCCCTCCACGGCTCCCAATAAAAAATGTGAAAACCAAAAAAAAAAAAAAAAA AAA
Restriction Sites:	NotI-NotI
ACCN:	NM_004542
Insert Size:	4670 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<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><a href="#">NM_004542.1</a></u> , <u><a href="#">NP_004533.1</a></u>
<b>RefSeq Size:</b>	360 bp
<b>RefSeq ORF:</b>	255 bp
<b>Locus ID:</b>	4696
<b>UniProt ID:</b>	<u><a href="#">O95167</a></u>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
<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]