

Product datasheet for **SC117332**

NDUFB1 (NM_004545) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFB1 (NM_004545) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFB1
Synonyms:	CI-MNLL; CI-SGDH; MNLL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004545, the custom clone sequence may differ by one or more nucleotides

```
ATGATTTGCTGGCGTCACCCCTCTGCTCCGTGCGGGCGCGGCGAATGGCAGGTCCCAGGTTCGCAGCTTC
CACTGGCGCGGGTTGAGTTCCTGTTGCCCTTGGTCTCGGGTTCGCTGTAGGCGCTGAGGCTGCAGCTAT
CATGGTGAACCTACTTCAGATTGTGCGGGACCACTGGGTTTCATGTTCTTGTCCCTATGGGATTTGCATT
GGATGTTATTTAGACAGAAAGAGTGATGAACGGCTAACTGCCTCCGGAACAAGAGTATGTTATTTAAAA
GGGAATTGCAACCCAGTGAAGAAGTTACCTGGAAGTAA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004545 unedited</p> <pre> ATTTTGTAAATACGACTACTATAGAGGCGGCCGCGATTCCGGCACGAGGGTCGCTGTCCGGC GCTGAGGCTGCAGCTATCATGGTGAACCTACTTCAGATTGTGCGGGACCACTGGGTTTCAT GTTCTTGTCCCTATGGGATTTGTCATTGGATGTTATTTAGACAGAAAGAGTGATGAACGG CTAACTGCCTCCGGAACAAGAGTATGTTATTTAAAAGGGAATTGCAACCCAGTGAAGAA GTTACCTGGAAGTAAAGACTGGCTAGATTATCGAATGTTACATTTTAAAGTTCTGAGAG AAATAAAAACATGAAGAATTTGAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCC GCGGTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTG CCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTA AGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAATATTATGGGGTGGAGGGGGGTG GTATGGAGCAAGGGGCAAGTTGGGAAGACAACCTGTAGGGCCTGCGGGGTCTATTGGGAA CCAAGCTGGAGTGCAGTGGCACAATCTTGGCTCACTGCAATCTCCGCCTCCTGAGTTCAA GCGATTCTCTGCCTCAGCCTNCCGAGTTGTTGGGATTCCAGGCATGCATGACCAGGCTC AGCTAATTTTTGTTTTTTGGTAGAGACGGGGTTTACCATATTGGCCANGCTGGTCTCC AACTCCTAATCTCAGGTGATCTACCCACCTTGGNCCTCCAATGCTGGGGATACAGGCGTG AACCCTGCTCCCTTCTGTTCTCTGATTNNTAAATACTTACAGCAGGAGGACGCCAGA CCAG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004545 unedited</p> <pre> GTACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCAAATTCCTCATGT TTTTATTTCTCTCAAACTTTAAAATGTGAACATTCGATAATCTAGCCAGTCTTTACTTC CAGGTAACCTTCTCACTGGGTTGCAATTCCTTTTAAATAACATACTCTTGTTCGGAAG GCAGTTAGCCGTTCACTCTTTCTGTCTAAATAACATCCAATGACAAATCCCATAGGG ACAAGAACATGAACCCAGTGGTCCCGCACAATCTGAAGTAAGTTCACCATGATAGCTGCA GCCTCAGCGCCGACAGCGACCCTCGTGCCGAATTCGCGGGCCGCTATAGTGAGTCGTAT TACAAAATTTGACGGTTCACTAAACGAGCTCTGCTTATATAGACCTCCCACCGTACACG CCTACCGCCCATTTGCGTCAACGGGGCGGGGTTATTACGACATTTTGGAAAGTCCCGTTG ATTTTGGTGCCAAAACAACTCCCATTTGACGTCAATGGGGTGGAGACTTGGAAATCCCCG TGAGTCAAACCGCTATCCACGCCATTGGTGTACTGCCAAAGTAGGAAAGTCCCGTAGGTCATG AGCGATAATGCCAGCGGGCCATTTACCGTCATTGACGTCAATAGGGGGCCGACTTGGCAT ATGATACACTTGATGTAAGTGGCCAGTTACCGTAAATACTCCACCATTGACGCC ATGAAAAGCCCTATTGCGTTACTATGGAACATACGTCATTATGACCTCAATGGCCGGGG TCTTTGGGCGGCAACCACGCGGCCCTTACCGTAAAGTATGTACGCGGACTCCCTTTTGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004545
Insert Size:	310 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).
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:	NM_004545.2 , NP_004536.1
RefSeq Size:	433 bp
RefSeq ORF:	177 bp
Locus ID:	4707
UniProt ID:	O75438
Cytogenetics:	14q32.12
Protein Families:	Transmembrane
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
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]