

Product datasheet for **SC334152**

NDUFB8 (NM_001284367) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFB8 (NM_001284367) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFB8
Synonyms:	ASHI; CI-ASHI; MC1DN32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284367, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGTGGCCAGGGCCGGGTCTTGGGAGTCCAGTGGCTGCAAAGGGCATCCCAGAACGTGATGCCGC  
TGGGCGCACGGACAGCCTCCCACATGACCAAGGACATGTTCCCGGGCCCTATCCTAGGACCCAGAAAGA  
ACGGGCCCGCCGCCAAGAAGTATAATATGCGTGTGGAAGACTACGAACCTTACCCGGATGATGGCATG  
GGGTATGGCGACTACCCGAAGCTCCCTGACCGCTCACAGCATGAGAGAGATCCATGGTATAGCTGGGACC  
AGCCGGGCCTGAGGTTGAACTGGGGTGAACCGATGCACTGGCACCTAGACATGTACAACAGGAACCGTGT  
GGATACATCCCCACACCTGTTTCTTGGCATGTCATGTGTATGCAGCTCTTCGGTTTCTGGCTTTCATG  
ATATTCATGTGCTGGGTGGGGACGTGTACCCTGTCTACCAGCCTGTGTGTAGGCACCACCTCTCTTACA  
ATTTAGGCTTCTCTCTGCCTTGGGCTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001284367
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).



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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_001284367.1 , NP_001271296.1
RefSeq Size:	968 bp
RefSeq ORF:	519 bp
Locus ID:	4714
UniProt ID:	O95169
Cytogenetics:	10q24.31
Protein Families:	Transmembrane
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.</p>