

Product datasheet for **SC123742**

NDUFB10 (BC007509) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFB10 (BC007509) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFB10
Synonyms:	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10 (22kD, PDSW); NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa; NADH ubiquinone oxidoreductase PDSW subunit (RH 16p13.3); OTTHUMP00000158897; PDSW
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC007509 edited GACCCGGACGGAGGTAGAGGCCAGGGCAGCGCGTCCGGGAGCGGAGTCCGCGCCCGCCGC CGCCATGCCGGACAGCTGGGACAAGGATGTGTACCCTGAGCCCCGCGCCGACGCGCGT GCAGCCCAATCCCATCGTCTACATGATGAAAGCGTTTCGACCTCATCGTGGACCGACCCGT GACCCTCGTGAGAGAATTTATAGAGCGGCAGCAGCAAAGAACAGGTATTACTACTACCA CCGGCAGTACCGCCGCGTGCCAGACATCACTGAGTGCAAGGAGGAGGACATCATGTGCAT GTATGAAGCCGAAATGCAGTGGAAGAGGGACTACAAAGTCGACCAAGAAATTATCAACAT TATGCAGGATCGGCTCAAAGCCTGTGAGCAGAGGGAAGGACAGAACTACCAGCAGAACTG TATCAAGGAAGTGGAGCAGTTCACCCAGGTGGCCAAGGCCTACCAGGACCGCTGTGCGTG CCCCACCCACCCCAACCCCCACCATCCTCCTGAGGCCTGGGGGCCAGAACCATTGCAA ATCTTCCCTCCCCTCCCTTGTGCTCACTTGACTTTGCCCTTTGCATGTAGCAGAGGCC TCGGTTCCAGCTTGTTCATTGCTTCCCAGATCAGGACCTGGGGCCCTACAGTTCTG CCAGGAAGTGCCTGGCCAACAGAGGCAGAGGATGCTGCAAGAGAGAAAAGCTGCAAAAG AGGCCCGCGTGCCACCTCCTGAGGCAGCTGTGGGTGCCCTGCTGTGTGGCTCTGTATG ACTGTTGCTGAAATATAAAGCCCTGCAACCTGAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC007509 unedited GTTTTGTATACGACTCACTATAGCGCGCCGCAATTCGGCACGAGGGACCCGGACGGAGG TAGAGGCCAGGGCAGCGCGTCCGGGAGCGGAGTCCGCGCCCGCCGCCATGCCGGACA GCTGGGACAAGGATGTGTACCCTGAGCCCCGCGCCGACGCCGGTGCAGCCCAATCCCA TCGTCTACATGATGAAAGCGTTCGACCTCATCGTGGACCGACCCGTGACCCTCGTGAGAG AATTTATAGACGGCAGCACGCAAGAAGCAGGTATTACTACTACCACCGGCAGTACCGCC GCGTGCCAGACATCACTGAGTGAAGGAGGAGGACATCATGTGCATGTATGAAGCCGAAA TGCAGTGAAGAGGGACTACAAAGTCGACCAAGAAATTATCAACATTATGCAGGATCGGC TCAAAGCCTGTCAGCAGAGGGAAGGACAGAAGTACCAGCAGAAGTGTATCAAGGAAGTGG AGCAGTTCACCCAGGTGGCCAAGGCCTACCAGGACCGCTGTGCGTGCCCCACCCACCCCC AACCCCCACCATCCTCCTGAGGCCTGGGGGCCAGAACATTGCAAATCTTCCCTCCCCT CCCTTGTGCTCACTTGACTTTGCCCCCTTTCATGTAGCAGAGGCCTCGGTTCCAGCTT GTTTCATTGCTTCCCCAGATCAGGACCTGNGGGCCTACAGTTCTGCCAGGAAGTGCTG GCCAAACAGAGGCAGAGGATGCTGCAAGAGAGAAAGCTGCAAAAGAGCCCGCGTCCAC CTCTGAGCAGCTGTGGGTGCCCTGCTGTGTGGCTCTGTATGACTGTTGCTGAATATAA AGCCNTGCACCTGAAAAAAGAACTCGACTCTGATTGCGCCGCGTCATAGCTGTTT CTGAACGATCCGGNTGGCATNCTGTGACCCCTCCAGTGCCTTCTGCCCTGNAGTGCACT CAGTGCCACCACCTGT
Restriction Sites:	Please inquire
ACCN:	BC007509
Insert Size:	839 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:	BC007509.2 , AAH07509.1
RefSeq Size:	830 bp
Locus ID:	4716
Cytogenetics:	16p13.3
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]