

## Product datasheet for **SC122696**

### NDUFA7 (NM\_005001) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFA7 (NM_005001) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFA7
Synonyms:	B14.5a; CI-B14.5a
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005001 edited ACGTCACCGGCTGCGCCCTTCAGTATCGCGGACGGAAGATGGCGTCCGCCACCCGTCTCA TCCAGCGGCTGCGGAAC TGGCGTCCGGGCATGACCTGCAGGGGAAGCTGCAGCTACGCT ACCAGGAGATCTCCAAGCGAACTCAGCCTCCTCCAAGCTCCCTGTGGTCTAGCCACA AGCTCTCCAACAATTA TACTATTGCACTCGCGATGGCCGCCGGAATCTGTGCCCTTCCA TCATCATGTGTCGCAGAAAGCGCTGGTGTGAGCAAGCCAGCAGAGAGCTCTGCTGTAG CTGCCACTGAGAAGAAGGCGGTGACTCCAGCTCCTCCATAAAGAGGTGGGAGCTGTCT CGGACCAGCCTTACCTGTGACTGCACCCTCACGGCCACCCGACTACTTTGCCTCCTTG GATTTCTCCAGGAGAATGTGACCTAATTTATGACAAATACGTAGAGCTCAGGTATCAC TTCTAGTTTTACTTTAAAAAATAAAAAATAGAGACAGAGTCTCACCATGTTTCCAAAAA AAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005001 unedited AAGTCATACATTGTAATAGACTCCTATAGGGCGGCCGGAATTCGCACGAGGACGTCACC GGCTGCGCCCTTCAGTATCGCGGACGGAAGATGGCGTCCGCCACCCGCTCATCCAGCGG CTGCGGAACTGGGCGTCCGGGCATGACCTGCAGGGGAAGCTGCAGCTACGCTACCAGGAG ATCTCCAAGCGAACTCAGCCTCCTCCCAAGCTCCCTGTGGGTCTAGCCACAAGCTCTCC AACAACTACTATTGCACTCGCGATGGCCGCCGGGAATCTGTGCCCCCTTCCATCATCATG TCGTGCGAGAAGGCGCTGGTGTCTAGGCAAGCCAGCAGAGAGCTCTGCTGTAGCTGCCACT GAGAAGAAGGCGGTGACTCCAGCTCCTCCATAAAGAGGTGGGAGCTGTCTCGGACCAG CCTTACCTGTGCACTGCACCCTCACGGCCACCCGACTACTTTGCCTCCTTGATTTCCT CCAGGGAGAATGTGACCTAATTTATGACAAATACGTAGAGCTCAGGTATCACTTCTAGTT TTACTTTAAAAATAAAAAATAGAGACAGAGTCTCACCATGTTTCAAAAAAAAAAAAA AAAAAAGTCTGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCGGT GGCATCCCTGTGACCCCTCCCAGTGCCTCCTGGCCCTGGAAGTTGCCACTCCAGTGC CCACCAGCCTTGCCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGCCTTCT ATAAATATGGGTGAGNGGGGTGGGGTTTGGACCAAGGGGCAAAGTTGGGGAGACAACC TTGTAGGCCTGCGGGTCTATTGGGAACCAAGCTGGAGTGCAGTGGCACAATCTTGGCTC ACTGCAATCTCCGCCTCTGGGTTTCAGCGATT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005001
<b>Insert Size:</b>	554 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_005001.1</a> , <a href="#">NP_004992.1</a>
<b>RefSeq Size:</b>	531 bp
<b>RefSeq ORF:</b>	357 bp
<b>Locus ID:</b>	4701
<b>UniProt ID:</b>	<a href="#">O95182</a>
<b>Cytogenetics:</b>	19p13.2
<b>Protein Pathways:</b>	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

**Gene Summary:**

This gene encodes a subunit of NADH:ubiquinone oxidoreductase (complex I), which is a multiprotein complex located in the inner mitochondrial membrane. Complex I functions in the transfer of electrons from NADH to the respiratory chain. [provided by RefSeq, Mar 2011]