

Product datasheet for **SC115137**

NDUFA8 (NM_014222) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFA8 (NM_014222) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFA8
Synonyms:	CI-19KD; CI-PGIV; MC1DN37; PGIV
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014222 edited ATGCCGGGATAGTGGAGCTGCCACTCTAGAGGAGCTGAAAGTAGATGAGGTGAAAATT AGTTCTGCTGTGCTTAAAGCTGCGGCCATCACTATGGAGCTCAATGTGATAAGCCCAAC AAGGAATTTATGCTCTGCCGCTGGGAAGAGAAAGATCCGAGGCGGTGTTTAGAGGAAGGC AAACTGGTCAACAAGTGTGCTTTGGACTTCTTTAGGCAGATAAAACGTCCTGTGCAGAG CCTTTTACAGAATATTGGACTTGCATTGATTATACTGGCCAGCAGTTATTTTCGTCCTGT CGCAAACAGCAGGCAAAGTTTGACGAGTGTGTGCTGGACAACTGGGCTGGGTGCGGCCT GACCTGGGAGAACTGTCAAAGGTCACCAAAGTAAAACAGATCGACCTTTACCGGAGAAT CCCTATCACTCAAGACCAAGACCGGATCCCAGCCCTGAGATCGAGGGAGATCTGCAGCCT GCCACACATGGCAGCCGCTTTTATTCTGGACCAAGTAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014222 unedited</p> <pre>GTTTGNAAATTTGTAATACGACTCACTATAGGNGCGNCGCAATCGGCACGAGGCGGG GCGACGCGGCTGAGGGCTTCTCGTCGGGGTCGGGGCTGCAGCCGTCATGCCGGGGATAGT GGAGCTGCCCACTCTAGAGGAGCTGAAAGTAGATGAGGTGAAAATTAGTTCTGCTGTGCT TAAAGCTGCGGCCATCACTATGGAGCTCAATGTGATAAGCCCAACAAGGAATTTATGCT CTGCCGCTGGGAAGAGAAAGATCCGAGGCGGTGTTTAGAGGAAGGCAAACTGGTCAACAA GTGTGCTTTGGACTTCTTTAGGCAGATAAAACGTCACCTGTGCAGAGCCTTTTACAGAATA TTGGACTTGCATTGATTAACTGGCCAGCAGTTATTTCTGCACTGTCGCAACAGCAGGC AAAGCTTGACGAGTGTGTGCTGGACAACTGGGCTGGGTGCGGCCTGACCTGCGAGAACT GCCAAAGGTCACCAAAAGTAAAAACAGATCGACCTTTACCGGAGAATCCCTATCACTCAAG ACCAAGACCGGATCCCAGCCCTGAGATCGAGGGAGATCTGCAGCCTGCCACACATGGCAG CCGCTTTTATTTCTGGACAAAGCAAAGATGGGTCCGTGGCCACACTCGGGTCATGTGC TCAGAACACGACTGATGAAAACCGCCATGCGGTTTGCATCGACTGATAGTGCCTCCTT TCCGGGACACAAACATTAACAAAAAATTAACCTATGTGACTTGGCCGTTATTCCATACCA TCTCCTCGCCATAAAATATTTAAAGGGCCACAAATCCCCACCGCACCACACCCCCCCC CCCCCCCCCCCCCAGCCCCCCCCCCCCCGCACACCCCCCCCCCCCCCCCCACCCCAA AACACCCCCCTCTTAGCGGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014222 unedited</p> <pre>CTTTTCATGGCCAGGTAAGGTATAGNATAACTGCCAAGTCACATAAGTTAACTTTTTTG TTAATGGTTTGATGATCCCGNAAATAACACACTATCAGTCGATGCAAACCGCATGGGCG TTTTTCATCAGTCGTTGTCTGAGCACATGACCGAGTGTGGGCCACGACCCATCTTACTT GGTCCAGAAATAAAAGCGGCTGCCATGTGTGGCAGGCTGCAGATCTCCCTCGATCTCAGG GCTGGGATCCGGTCTTGGTCTTGAGTGATAGGGATTCTCCGGTAAAGGTCGATCTGTTTT CACTTTGGTGACCTTTGACAGTTCTCCAGGTCAGGCCGCACCCATCCCAGTTTGTCCAG CACACACTCGTCAAACCTTGCTGCTGTTTGGACAGTGACGAAATAACTGCTGGCCAGT ATAATCAATGCAAGTCCAATATTCTGTAAGGCTCTGCACAGTGACGTTTTATCTGCCT AAAGAAGTCCAAAGCACACTTGTGACCACTTTCCTTGTGGGCTTATCACATTGAGCTCCATA GTGATGGGCCAGCTCTAAGCACAGCAGAACTAATTTTTACCCTCATCTACTTTTTCCATA TCCTCTAGAGTGGCAGCTCCACTATCCCCGGCATGACAGCTGCAGCCCCGATCCCGACG AGTATCCCTTATCCGCGTTGTCCCCCGCCTTGTGCCGATTTCCCGGCCGCCCTATATGG AGTCGGTTTACAAAATTCTGACGGTTCACTAAACCAGCCTTGCTTATATAACCTTCCACC GTCACGCCTACCGCCTTTTGGCAAACGGGGCGAGTTTTACAACATTTTGAAGTCCGCTG TTTTGGTGCCAAACAACCTCCATGACGCCATGGGGGAAACTTGTAAATCCCGGGGTAAC GCTTACCGCCTTGGGGCCTGCCAACCTTCCCATG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014222
Insert Size:	870 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_014222.2 , NP_055037.1
RefSeq Size:	859 bp
RefSeq ORF:	519 bp
Locus ID:	4702
UniProt ID:	P51970
Cytogenetics:	9q33.2
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
Gene Summary:	<p>The protein encoded by this gene belongs to the complex I 19 kDa subunit family. Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays an important role in transferring electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).</p>