

Product datasheet for **SC117274**

NDUFS6 (NM_004553) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NDUFS6 (NM_004553) Human Untagged Clone
Tag: Tag Free
Symbol: NDUFS6
Synonyms: CI-13kA; CI-13kD-A; CI13KDA; MC1DN9
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_004553 edited
 ATGGCGGCGGCGATGACCTTCTGCCGGCTGCTGAACCGGTGTGGCGAGGCGGCGGAGC
 CTGCCCCGGGCGCCAGGTGTTTCGGGGTGCGGGTCTCGCCGACCGGGGAGAAGGTCACG
 CACTGCGCCAGGTTTATGATGATAAAGACTACAGGAGAATTCGGTTTGTAGGTCGTCAG
 AAAGAGGTGAATGAAAACCTTGCCATTGATTTGATAGCAGAGCAGCCCGTGAAGGAGGTG
 GAGACTCGGGTGATAGCGTGCGATGGCGGCGGGGAGCTCTTGCCACCCAAAAGTGAT
 ATAAACTTGGACAAAGAAAACAAAACCGGCACATGCGGTTACTGTGGGCTCCAGTTCAGA
 CAGCACCACCACTAG

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004553 unedited
 ATTTATGTATACGACTTCTATAGGGCGGCCGGAATTCGGCACGAGGCCAGCGGCGCAA
 AAGGCGGCGGCGATGACCTTCTGCCGGCTGCTGAACCGGTGTGGCGAGGCGGCGGAGC
 CTGCCCCGGGCGCCAGGTGTTTCGGGGTGCGGGTCTCGCCGACCGGGGAGAAGGTCACG
 CACTGCGCCAGGTTTATGATGATAAAGACTACAGGAGAATTCGGTTTGTAGGTCGTCAG
 AAAGAGGTGAATGAAAACCTTGCCATTGATTTGATAGCAGAGCAGCCCGTGAAGGAGGTG
 GAGACTCGGGTGATAGCGTGCGATGGCGGCGGGGAGCTCTTGCCACCCAAAAGTGAT
 ATAAACTTGGACAAAGAAAACAAAACCGGCACATGCGGTTACTGTGGGCTCCAGTTCAGA
 CAGCACCACCACTAGAGCGTGTGGCACGCGGGGTTCCCGCAGCATCCTGTGAGCATTTT
 CGCGGGGAAGCTGAGCAGTGAAGCTCGCTGGTCTGTGCGAAGGTTATCCTGGTGCTG
 AATAAAGGGTGTGCTGTCAAGGCTGAAAAACAACACCCCCCCCCACCCAACACCAA
 AACCCACCCATAACCCCAACAAAAAACTCGACTCTAGATTGCGGCCGCGGTCATAGTT
 GTTTCCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTTTCTTGCC
 CTGGAAGTTGCCTTCCAGGGCCCCAGCCTTGGCTATTAATAAAGTGGCATCATTTTG
 CCTGACTAGGTGTCTTCTATATTTTATGGGGTGAGGCGGGGGTGATGGGTCAAGGGCC
 CCCTTTTCCCCCTCCTTTCGTCTTCGGGATCTTGCCACCCATCCCCCTTTCTACCCC
 CCCTGTTTNTCTTCACAGCCATCTCGTGTCCCAGTCCCCTTTTCCCTTCCCCTCCACA
 CCTAATTTTCTCCCTCCN



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Gene Summary:

This gene encodes a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit encoded by this gene is one of seven subunits in the iron-sulfur protein fraction. Mutations in this gene cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders. [provided by RefSeq, Oct 2009]