

Product datasheet for **SC212473**

NDUFS1 (NM_005006) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NDUFS1 (NM_005006) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NDUFS1
Synonyms:	CI-75k; CI-75Kd; MC1DN5; PRO1304
ACCN:	NM_005006
Insert Size:	2000 bp



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Insert Sequence: >SC212473 3'UTR clone of NM_005006
 The sequence shown below is from the reference sequence of NM_005006. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGGCAGTAGAGGAACCATCCATATGCTGAAGCTTCTACTAGGATCCCAGTTTTGCCGAGATAATTA
TGGACAACGTAGTGCAGTGATCCTTTACAGGTTATTCTTTGTAAAAAATAATAAATTTGAA
TCATGTAATATTTAAGGTTATACTATGCCTATTTGAAAATGATATTAGTTATCAACTTTGCAGTTGAA
AAACATGTATTGTGTGTAAGGTTAAATAACAAAACATGCAGATGCTCTTAAAAGCATTGATAACCTT
TGTGACGAACATAAAGAGATCCTTAAATATGAGTTGTTGGCTTATCTTCATAAATAATTTGCTGTAA
AATGGATGAAATGAAAAGAGGTTCAATTAACCTACTTTTTCTAGTGCTAAAGAAAAGATTTAAGCA
CCTTGCAAGCTGGGTAAATAGGAAAAATACATAATCATGCTCAGATATGTATCTAGGATAATTATAAT
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TACATGCATTATCTTTTGTCTTGCTACAACCCTGTGAGATAGTAGTATTATCTCATTTTACTGAT
GAAGACTGAAGCCTAGGTATATTAATAGCTTGCCCAAGGCCACACAGCAAAAAGTCAACCACTCAAACC
TACTTCTATTTACTCCAAGCCTGTTGTTCTTAACTGCAACATATTTTCGTCTCATTAAATGTTGAT
TCTATAGGTTGTTACTTCTAAAAATTAGTATTGAGTTTAAATGGTGAACACATTTTTCTATTTTCTTTG
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AATTAGCTGGGTGTGGTGGTGTACACCTATAGTCCCAGCTACTCGGAAGGCTGAGGTGGGAGGATCACC
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AGACTTTGTTTCAAAACAAACAAAACAACTATGTTCAAAATTTTGTGTTTGAATCCTTATTCTTTT
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CTCCCTGATTCAAGCGATTCTCCTGCCTCAGCCTCCCCGGTAGCTGGGATTACAAGCGCACGCCACCAC
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CTAACCTCAGGTGATCTACCTGCCTTGGCTCCCAAGTGTGGGATTACAGGCGTGAGCCACCGCGCC
CAGTCTAGGATGTCGTTTTCTGATACAACAAAGGATAAGGTTTTAGAATAATAGTATGTTACAATATC
TTTAAAAACAGCAGGTGCAGTGGCTCACACCTGTAAGCCAGCATTGTTGGGGTTCAAGGCAGGAAGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_005006.7](#)

Summary:

The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

Locus ID:

4719

MW:

76.1