

## Product datasheet for **SC206604**

### **NDUFB5 (NM\_002492) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	NDUFB5 (NM_002492) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NDUFB5
Synonyms:	CISGDH; SGDH
ACCN:	NM_002492
Insert Size:	2000 bp



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**Insert Sequence:** >SC206604 3'UTR clone of NM\_002492  
 The sequence shown below is from the reference sequence of NM\_002492. 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
CATTCTCCGAAAGCAACTCCTGACAATTAAGCATTCTCCAAATACAAAGTATATTCTCTTTTATT
GGAAAATAAATAAATAATATATTCTGTATTTTTGCTCTCCGTGAAAAACAAAAGAGCCTCTGACATTA
CTGTCTCTCAGTGTGGTTGAGATTGAGGCTTTTGTGGAGGTTGGCTTCCAGTCCCAAAGAAGG
TTTAAATGTAATAAATAAATAAAGTATAGGAATTTGTGAACCTCTAAAATTGTAGCAACTTTGAA
AGGTTAGTGTATTTACCTGACAAATGGAAGTATAGAAGTCTAATAATGTTAAGCACCAGTAATTA
TAGTATTTGTACAAATGCCTGTACTGTAGATGTCTGTATTATTGAGGGGCAACTCAGGATTTAAGTT
CCATAAAGTATTGAACCAACTCTAAAATGTTAACTCCTAATAAACAGATTCTCAGTAAACAAATTTTA
AAGTTTATAATGCTTTCATGGTTTTTTTTTTTGGCATGTATTGTTCTTTTTTAACTACACACAGACAC
ACAGACACGTACACACACACACACACACACACACACACACACACACACACACACACACACACACACAC
ATCCCTTAGAGTCTTTTTTGGGGAAGTAGTTGCACTAGGTAATGTGATTCTGCAGAGATTATAAAAT
GTGAGTAAAAGCTAAAAATGACTCATTTATTAAGCATTATTGTCTGCTAGACACTATATTAATAAAT
GCATTTTTTAACATTATTTTCTTTTCTTTTTTTTTTTTTTTTTTTTTTTTGGACGAAATCTTGCCTGTCACC
CAGGCTAGAGTGCAGTGGCGTGTCTCGGCTGCAACCTCCGCCTCCCGGGTTCAAGCAATCTTGTCTC
AGCCTCCCAAGTAGCTGGGATTACAGGCACCCACCACCACACCCCGGCTAATTTTTGTATTTTTCAGTAA
AGACTGTTTCGCTGTGTGGCCAGGCTGGTCTTGAACCTCTGACCTCAGGTGATTGGCCTGTCTCCACT
TCCCAAAGTGTGATTACAGGCTGAGCCACTGCACCCAACATTATTTTCAAATGACAAGAGGTAGTA
TTTAGTACCTGAGGCTCAGATGTTAAACACAAACTCAGTATTTACAAAAATAAACATTTAAACATTTA
CACTTCAACTTCCAAAATGGCTTTTTACATAAACATTACAGGATTTTCAAACCTGTAACAGCTTATCAA
TGCATCTCATCTTAGAAGTATGTTTTACATTCTTCATAAAAAATAAAATGAACCCAGGCTTCTTAAGAT
TCAGGCCAGTGGGTCTCCACTTAAGGCCAAATGGAGAAATAATTTTTTGTGCTAAACACACAAGTGA
ATTGAAAAGCCACAGGCCATTCAATCAACAAATAACTTTATTATTTTATTGATAATGACTTGTAAATG
TGCTATTTTGATACATGTATGCAAAGTATAATGGTCAAATCAGGGTATTTGAATACATATATTTCAA
AATATAGTTATATATTTCAAATAAGATATAGCAAGTTAGAAGTATATATAAGTATATTATATATGTT
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TTGTAACCATTAACCTTTTCTGAATTTCTACTCTCCCTTCCCTTCCAGCCTTGTAAACACCTT
TCTACTCTGCCTCCATGAGACCCATTTTTAATCTCCACATATGAGTGAGAACATTCAATATTTGTCT
TTCTAGGCTTGGCTTATTTCACTTACATTAATGACCTCCAGTTCCATCCATGTTGCTACAAATGACAGA
ATCCCATCTTTTTTATAAATATTGTCCATACATACCACATTTTCTATATCCATTTATCTGTTGATGGAC
ACAGGTTGCAAAGGGATTGCTGGATTGTATGATAATTCTATGTGTAGTTTCTTGAGGAACCTTCATGG
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_002492.4](#)

**Summary:** The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). 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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

**Locus ID:** 4711

**MW:** 76.9