

## Product datasheet for **SC202567**

### NDUFS2 (NM\_004550) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** NDUFS2 (NM\_004550) Human 3' UTR Clone  
**Symbol:** NDUFS2  
**Synonyms:** CI-49; MC1DN6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_004550  
**Insert Size:** 232 bp  
**Insert Sequence:** >SC202567 3'UTR clone of NM\_004550  
 The sequence shown below is from the reference sequence of NM\_004550. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
GATATTGTATTTGGAGAAGTAGATCGGTAGGCAGGGGAGCAGCGTTTGATCCCCCTGCCTATCAGCTT
CTTCTGTGGAGCCTGTTCTCACTGGAATTGGCCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTA
TGTTTCATGTACACTTGGCTGTCAGGCTTTCTGTGCATGTACTAAAAAAGGAGAAATTATAATAAATTAG
CCGTCTTGCGGCCCTAGGCCTAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_004550.5](#)


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**Summary:**

The protein encoded by this gene is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I). Mammalian mitochondrial complex I is composed of at least 43 different subunits, 7 of which are encoded by the mitochondrial genome, and the rest are the products of nuclear genes. The iron-sulfur protein fraction of complex I is made up of 7 subunits, including this gene product. Complex I catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria. Mutations in this gene are associated with mitochondrial complex I deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009]

**Locus ID:**

4720

**MW:**

8.2