

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
Vector:	pMirTarget (PS100062)
Symbol:	NDUFS2
Synonyms:	CI-49; MC1DN6
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 GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GATATTGTATTTGGAGAAGTAGATCGGTGAGCAGGGGAGCAGCGTTTGATCCCCCTGCCTATCAGCTT CTTCTGTGGAGCCTGTTCTCACTGAAATTGGCCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTA TGTTTCATGTACACTTGGCTGTCAGGCTTCTGTGCATGTACTAAAAAGGAGAAATTATAATAAATTAG CCGTCTTGCGGCCCTAGGCCTAAA ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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:	<u>NM_004550.5</u>



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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