

Product datasheet for **SC106065**

NDUF3 (NDUFAF3) (BC002873) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUF3 (NDUFAF3) (BC002873) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUF3
Synonyms:	2P1; chromosome 3 open reading frame 60; DKFZp564J0123; E3-3; MGC10527; nuclear protein E3-3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC002873, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACCGCTCTCGCGCTACGTAGCTTGTACCGAGCGCGACCCTCGCTGCGCTGTCCGCCGTTGAGC
TTCCCTGGGCCCCGCGGCGAGGGCATCGGCTCTCGCCGGCGGATGACGAGCTGTATCAGCGGACGCGCAT
CTCTCTGCTGCAACGCGAGGCCGCTCAGGCAATGTACATCGACAGCTACAACAGCCGCGGTTTCATGATA
AACGAAACCGCGTGCTCGGCCCTGCGCTCTGCTCCCGCACTCGGTGGTGCAGTGGAAACGTGGGATCCC
ACCAGGACATCACCGAAGACAGCTTTTCCCTCTTCTGTTGCTGGAGCCCCGGATAGAGATCGTGGTGGT
GGGGACTGGAGACCGGACCGAGAGGCTGCAGTCCCAGGTGCTTCAAGCCATGAGGCAGCGGGCATTGCT
GTGGAAGTGCAGGACACGCCAATGCCTGTGCCACCTTCAACTTCTGTGTCATGAAGCCGAGTAACTG
GAGCTGCTCTCATCCCTCACCAGGAGGACTTCACTTACATCTTGGGCCAAGCTGCTCAATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC002873 unedited TTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGGCGACCAGGTGGGCGG TCGCCCCCGCCCGGGAGCGCGGCTTAATAGCTGAGAGCCCGGGGCCAGGCCGCGGCTGC GGCCAGGCAACGCCCTGAGGGTGGCCACGCTGCCAGGTGTTCCACTCCCCGGGACTAT GGGCAAGGGCCCGGGCGGGGAGGGCGGCAGGTGCTGACTGGAGTGCGCCGGAGGTC GGGAACTCGGCCTCCTAAGACTGAGGACACTCGCCTGCTGGGCCGGTCGAGCTGTGCGG TGCCCTCCGGGACGCAGGGGGCGCTGCAGCCACGCTGGGTCAGGCTCCGCAGGGCCCTCC CAACCCGGGACTAACGGCGCCGGTGCAGACTTCGCCGCGGTTGGTCAGCCATGGCCAC CGCTCTCGCGCTACGTAGCTTGTACCGAGCGCACCCCTCGCTGCCTGTCCGCCCTTGA GCTTCCCTGGGCCCGCGGCGAGGGCATCGGCTCTCGCCGGCGGATGACGAGCTGTATCA GCGGACGCGCATCTCTGCTGCAACGCGAGGCCGCTCAGGCAATGTACATCGACAGCTA CAACAGCCCGGCTTCATGATAAACGGAAACCGGTGCTCGGCCCTGCGCTCTGCTCCC GCACTCGGTGGTGCAGTGAACGTGGGATCCCACCAGGACATCACCGAAGACAGCTTTTC CCTTTCTGGGTGCTGGAGCCCCGATAGTACTGGGGGAGGGGAGGAGACAAGAGTGT TCTGGGCCCAAAGGGGACCCCACTGCAGCCCTCACAACCTGTAGATAGCCACCCACCC TCCTAGAGATG
Restriction Sites:	NotI-NotI
ACCN:	BC002873
Insert Size:	1250 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC002873.2</u> , <u>AAH02873.1</u>
RefSeq Size:	743 bp
RefSeq ORF:	555 bp
Locus ID:	25915
Cytogenetics:	3p21.31
Domains:	DUF598

Gene Summary:

This gene encodes a mitochondrial complex I assembly protein that interacts with complex I subunits. Mutations in this gene cause mitochondrial complex I deficiency, a fatal neonatal disorder of the oxidative phosphorylation system. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2009]