

Product datasheet for **SC115115**

NDUFAF4 (NM_014165) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFAF4 (NM_014165) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFAF4
Synonyms:	bA22L21.1; C6orf66; HRPAP20; HSPC125; MC1DN15; My013
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014165 edited <pre> ATGGGAGCACTAGTGATTCGCGGTATCAGGAATTTCAACCTAGAGAACCGAGCGGAACGG GAAATCAGCAAGATGAAGCCCTCTGTCGCTCCAGACACCCCTCTACCAACAGCCTCCTG CGAGAGCAGATTAGTCTCTATCCAGAAGTTAAAGGAGAGATTGCTCGTAAAGATGAAAAG CTGCTGTCGTTTCTAAAAGATGTGTATGTTGATTCCAAAGATCCTGTGTCTTCCTTGCA GTAAAAGCTGCTGAAACATGTCAAGAGCCGAAGGAATTCAGATTGCCGAAAGACCATCAT TTTGATATGATAAATATTAAGAGCATTCCCAAAGGCAAAATTTCCATTGTAGAAGCATTG ACACTTCTCAATAATCATAAGCTTTTCCAGAAACCTGGACTGCTGAGAAAATAATGCAA GAATACCAGCTAGAACAGAAAGATGTGAATTCTTCTTAAATATTTGTTACTTTTGAA GTCGAAATCTTCCCTCCTGAAGACAAGAAAGCAATACGATCAAAATGA </pre>


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014165 unedited <pre> NGTTTCGGATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCCTGAACCT GAGCGCATAATGTTATGAGGAGATGGGAGCACTAGTGATTCGCGGTATCAGGAATTTCAA CCTAGAGAACCGAGCGGAACGGGAAATCAGCAAGATGAAGCCCTCTGTCGCTCCCAGACA CCCCTCTACCAACAGCCCTCCTGCGAGAGCAGATTAGTCTCTATCCAGAAGTTAAAGGAGA GATTGCTCGTAAAGATGAAAAGCTGCTGTCGTTTCTAAAAGATGTGTATGTTGATTCCAA AGATCCTGTGCTTCTTGCAGGTAAGCTGCTGAAACATGTCAAGAGCCGAAGGAATT CAGATTGCCGAAAGACCATCATTTTGATATGATAAATATTAAGAGCATTCCCAAAGGCAA AATTTCCATTGTAGAAGCATTGACACTTCTCAATAATCATAAGCTTTTCCAGAAACCTG GACTGCTGAGAAAATAATGCAAGAATACCAGCTAGAACAGAAAGATGTGAATTCTCTTCT TAAATATTTTGTACTTTTGAAGTCGAAATCTTCCCTCCTGAAGACAAGAAAGCAATACG ATCAAAATGAAGAAAATCACAGAAATTTCTATGTGTACTCCTCATCCCTCCTGCTGTAT ATTTTCTCATTNTTTCGTAATAAATTATGTTAATTACCAAATATTTAATGCTCTCATTG TGAGGGCATACTCTTAATATTTATTGAGCTCCCTGGACTTTCAGATTGCCATAGAATATC TTTTGTTNTATTNTAATTGGGTTTAGGCATATTTATAAGTGCATGTGAGCATGACTGAG CACATCTGTACCTTTATTATGGTGAAAGAGTTAAATTTGTATTTTAGGCACATATACCAA CTTTAATGGTCATATTACCCTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014165
Insert Size:	2440 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:	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:	NM_014165.1 , NP_054884.1
RefSeq Size:	725 bp
RefSeq ORF:	528 bp
Locus ID:	29078
UniProt ID:	Q9P032
Cytogenetics:	6q16.1

Gene Summary:

NADH:ubiquinone oxidoreductase (complex I) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. This gene encodes a complex I assembly factor. Mutations in this gene are a cause of mitochondrial complex I deficiency. [provided by RefSeq, Oct 2009]