

Product datasheet for SC317505

NDUFAF6 (NM_152416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFAF6 (NM_152416) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFAF6
Synonyms:	C8orf38; FRTS5; MC1DN17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317505 representing NM_152416. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCGGCTCCGCGCACGGCTCTGTCTGGGGGCGGTTGCGGCTTGGCATCCCCGGCCTGTGCTGCCGC
 CGGCCGCTCTGGGTCTGTACGCGCGCATGCGCGGCTGCCGGGCCGGAGGTGTCTGGCGGAGCGTG
 GCTGCGGCAGCGGACCGGGCGCTGGGGCACTGACCACTACTGCCTGGAGCTGCTGCGGAAACGGGAT
 TATGAAGTTATTTATGCTCCCTGCTGCTCCCTGCAGAATCCGAAGCTCTGTTTTGCACTGAGGGCC
 TTTAATGTGGAAGTGGCTCAGGTAAAGACTCAGTCTCTGAGAAAACAATTGGACTGATGCGAATGCAG
 TTTTGGAAAAAACTGTGGAAGATATATACTGTGACAATCCACCACATCAGCCTGTGGCCATTGAACTA
 TGGAAAGCTGTAAAAGACATAATCTGACTAAAAGATGGCTTATGAAAATCGTCGATGAAAGAGAAAAA
 AATCTGGATGACAAAGCATATCGTAATATCAAGGAACTGGAAAATTATGCTGAAAACACACAGAGCTCT
 CTTCTTTACTTAACACTAGAAATATTGGGTATAAAGGATCTTCATGCAGATCATGCTGCAAGTCATATT
 GGAAAAGCACAAGGCATTGTCACTTGCTTGAGAGCAACACCATATCATGGGAGCAGAAGAAAGGTGTTT
 CTTCCCATGGATATTTGTATGCTGCATGGTGTTCACAAGAGGACTTTCTACGGAGGAACCAAGATAAA
 AATGTGAGAGATGTAATATATGACATTGCCAGTCAAGCACACTTGACCTAAAGCATGCTAGGTCCTTT
 CACAAAACCTGTTCTGTGAAAGCATTTCCTGCTTTTCTCAGACGGTTTCTCTAGAGGACTTTCTAAAG
 AAAATTCAGCGAGTGGATTTTGATATATCCACCCATCTTTACAGCAGAAGAATACATTACTTCCATTA
 TATTTGTATATTCAATCATGGAGAAAAACATAT**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_152416
Insert Size:	1002 bp


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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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:	<u>NM_152416.2</u>
RefSeq Size:	1804 bp
RefSeq ORF:	1002 bp
Locus ID:	137682
UniProt ID:	<u>Q330K2</u>
Cytogenetics:	8q22.1
MW:	38.2 kDa
Gene Summary:	This gene encodes a protein that localizes to mitochondria and contains a predicted phytoene synthase domain. The encoded protein plays an important role in the assembly of complex I (NADH-ubiquinone oxidoreductase) of the mitochondrial respiratory chain through regulation of subunit ND1 biogenesis. Mutations in this gene are associated with complex I enzymatic deficiency. [provided by RefSeq, Nov 2011] Transcript Variant: This variant (1) encodes the longest isoform (1).