

Product datasheet for **SC324738**

NDUFB11 (NM_001135998) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFB11 (NM_001135998) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFB11
Synonyms:	CI-ESSS; ESSS; MC1DN30; Np15; NP17.3; P17.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324738 representing NM_001135998. Blue=Insert sequence Red=Cloning site Green=Tag(s)

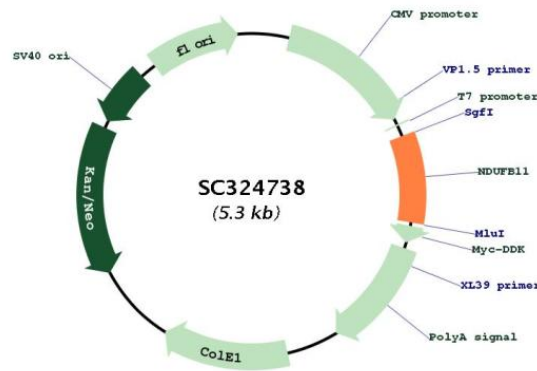
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGGCTGGGCTGTTTGGTTGAGCGCTCGCCGCTTTTGGCGGCAGCGGCGACGCGAGGGCTCCCG
GCCGCCCGCGTCCGCTGGGAATCTAGCTTCTCCAGGACTGTGGTCGCCCGTCCGCTGTGGCGGAAAG
CGGCCCCAGAACCGACCACCCGTGGCAAGAGGACCCAGAACCCGAGGACGAAAATTGTATGAGAAG
AACCCAGACTCCCATGGTTATGACAAGGACCCGTTTGGACGTCTGGAACATGCGACTTGTCTTCTTC
TTTGGCGTCTCCATCATCTGGTCTTGGCAGCACCTTTGTGGCCTATCTGCCTGACTACAGGATGAAA
GAGTGGTCCCGCCGGAAGCTGAGAGGCTTGTGAAATACCGAGAGGCAATGGCCTTCCCATCATGGAA
TCCAAGTCTTCGACCCAGCAAGATCCAGCTGCCAGAGGATGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCCGC
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:



ACCN:	NM_001135998
Insert Size:	462 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).
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: [NM_001135998.2](#)

RefSeq Size: 1108 bp

RefSeq ORF: 462 bp

Locus ID: 54539

UniProt ID: [Q9NX14](#)

Cytogenetics: Xp11.3

Protein Families: Transmembrane

MW: 17.3 kDa

Gene Summary: The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is located at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to ubiquinone. Mutations in the human gene are associated with linear skin defects with multiple congenital anomalies 3 and mitochondrial complex I deficiency. [provided by RefSeq, Dec 2016]

Transcript Variant: This variant (2) uses an alternate in_frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (2) has a shorter C-terminus compared to isoform 1.