

Product datasheet for SC329601

NDUFB5 (NM_001199957) Human Untagged Clone

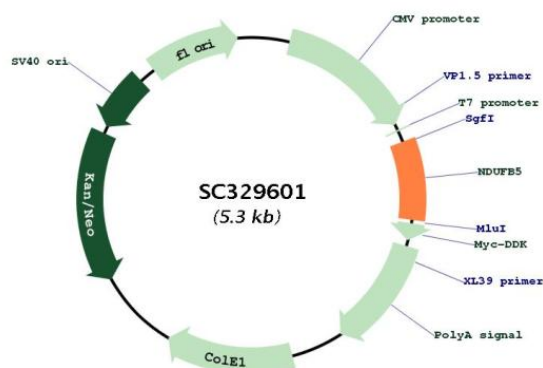
Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFB5 (NM_001199957) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFB5
Synonyms:	CISGDH; SGDH
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329601 representing NM_001199957. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCGGCCATGAGTTTGTTCGGCGGGTTTCGGTACTGCGGTGGCAGCTCTGTCTGGCCGGCCCTT
GGCACTCGCCTCGGATTTGGGGCTTCTCACTCGTGGCTTCCGAAGGCTGCTGGTCAAGCTGAACTA
GCAGAAATCCAGAAGGCTATGTCCAGAACACTGGGAATATTATAAGCATCCCATATCAAGATGGATT
GCCCGTAATTTCTATGATAGTCTGAAAAGATATATGAAAGAACAATGGCCGTCCTCAGATTGAAGCT
GAAAAGGCTGAATTACGGGTAAGGAGCTGGAAGTGCGAAAATTGATGCATGTGAGAGGAGATGGACCC
TGGTATTACTATGAGACAATTGACAAGGAATTATTGATCATTCTCCGAAAGCAACTCTGACAATTAA
```

Restriction Sites: SgfI-MluI

Plasmid Map:



[View online >](#)

ACCN:	NM_001199957
Insert Size:	414 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:	NM_001199957.1
RefSeq Size:	920 bp
RefSeq ORF:	414 bp
Locus ID:	4711
UniProt ID:	O43674
Cytogenetics:	3q26.33
Protein Families:	Transmembrane
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	15.7 kDa
Gene Summary:	<p>The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame segment compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>