

Product datasheet for SC329602

NDUFB5 (NM 001199958) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: NDUFB5 (NM_001199958) Human Untagged Clone

Tag: Tag Free Symbol: NDUFB5

Synonyms: CISGDH; SGDH

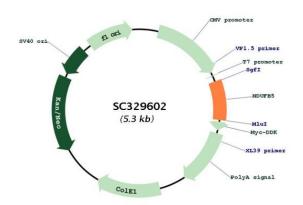
Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF: >SC329602 representing NM_001199958.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

Restriction Sites: Sgfl-Mlul

Plasmid Map:



ACCN: NM_001199958



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com ORIGENE

Insert Size: 408 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).

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube Components:

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.

NM 001199958.1 RefSeq:

RefSeq Size: 969 bp RefSeq ORF: 408 bp Locus ID: 4711 **UniProt ID:** 043674

Cytogenetics:

Protein Families: Transmembrane

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation,

Parkinson's disease

3q26.33

MW: 15 kDa

Gene Summary: 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 RefSeg, Jan

20111

Transcript Variant: This variant (3) lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (3) has a shorter and distinct C-terminus compared

to isoform 1.