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Product datasheet for SC332503

NDUFB3 (NM_001257102) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFB3 (NM_001257102) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFB3
Synonyms:	B12; CI-B12; MC1DN25
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332503 representing NM_001257102. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGCCCATGAACATGGACATGAGCATGGACATCATAAAATGGAACTTCCAGATTATAGACAATGGAAG ATAGAAGGGACACCATTAGAAACTATCCAGAAGAAGCTGGCTGCAAAAGGGCTAAGGGATCCATGGGGC CGCAATGAAGCTTGGAGATACATGGGTGGCTTTGCAAAGAGTGTTTCCTTTTCTGATGTATTCTTTAAA GGATTCAAATGGGGATTTGCTGCATTTGTGGTAGCTGTAGGAGCTGAATATTACCTGGAGTCCCTGAAT AAAGATAAGAAGCATCACTGA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001257102
Insert Size:	297 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_001257102.1

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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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RefSeq Size:	793 bp
RefSeq ORF:	297 bp
Locus ID:	4709
UniProt ID:	O43676
Cytogenetics:	2q33.1
Protein Families:	Transmembrane
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	11.4 kDa
Gene Summary:	This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which is the first enzyme in the electron transport chain of mitochondria. This protein localizes to the inner membrane of the mitochondrion as a single-pass membrane protein. Mutations in this gene contribute to mitochondrial complex 1 deficiency. Alternative splicing results in multiple transcript variants encoding the same protein. Humans have multiple pseudogenes of this gene. [provided by RefSeq, Mar 2012] Transcript Variant: This variant (2) represents the longer transcript. Variants 1 and 2 encode the same protein.

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