

Product datasheet for **SC329688**

NDUFC2 (NM_001204055) Human Untagged Clone

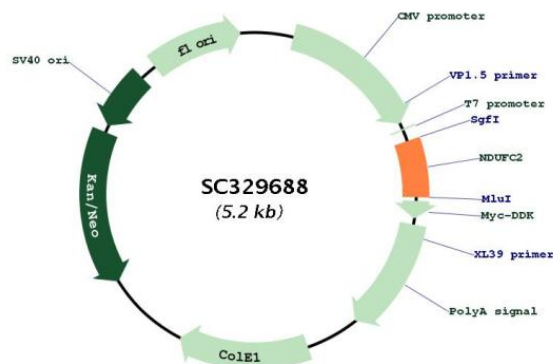
Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFC2 (NM_001204055) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFC2
Synonyms:	B14.5b; CI-B14.5b; HLC-1; NADHDH2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329688 representing NM_001204055. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATCGCACGGCGGAACCCAGAACCCCTTACGGTTTCTGCCGGATGAGGCCCGGAGCCTGCCCCCGCC
AAGCTGACCGACCCGCGGCTCCTCTACATCGGCTTCTTGGGCTACTGCTCCGGCCTGATTGATAACCTA
ATCCGGCGGAGGCCGATCGGACGGCTGACTACCTGTATGCTGTGAGGGACCGTAAATGTTGGATAT
ATGAAATTACATCCAGAGGATTTTCTGAAGAAGATAAGAAAACATATGGTGAATTTTTGAAAAATTC
CATCCAATACGTGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001204055

Insert Size: 291 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).
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_001204055.1
RefSeq Size:	2422 bp
RefSeq ORF:	291 bp
Locus ID:	4718
UniProt ID:	O95298
Cytogenetics:	11q14.1
Protein Families:	Transmembrane
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	11.4 kDa
Gene Summary:	<p>Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate splice sites in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 3, which has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>