

Product datasheet for SC120963

NDUFA11 (NM_175614) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUFA11 (NM_175614) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUFA11
Synonyms:	B14.7; CI-B14.7; MC1DN14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120963 sequence for NM_175614 edited (data generated by NextGen Sequencing) ATGGCGCCGAAGTTTTTCGTCAGTACTGGGATATCCCCGATGGCACCGATTGCCACCGC AAAGCCTACAGCACACCAGTATTGCCAGCGTCGCTGGCCTGACCGCCGCTGCCTACAGA GTCACACTCAATCCTCCGGGCACCTTCCTTGAAGGAGTGGCTAAGGTTGGACAATACACG TTCAGTGCAGCTGCTGTGCGGGCCGTGTTTGGCCTCACCACCTGCATCAGCGCCCATGTC CGCGAGAAGCCCGACGACCCCTGAACTACTTCCTCGGTGGTGCGCCGGAGGCCTGACT CTGGGAGCAGCACGCACAACACTACGGGATTGGCGCCGCCGCTGCGTGTACTTTGGCATA GCGGCCTCCCTGGTCAAGATGGGCCGGCTGGAGGGCTGGGAGGTGTTGCAAACCCAAG GTGTGA Clone variation with respect to NM_175614.4
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_175614 unedited ATACGACTCACTATAGGGCGCCGGAATTCGGCACGAGGCCGTGGTGCGGGATCGAGAT TGCGGGCTATGGCGCGAAGTTTTTCGTCAGTACTGGGATATCCCCGATGGCACCGATT GCCACCGCAAAGCCTACAGCACACCAGTATTGCCAGCGTCGCTGGCCTGACCGCCGCTG CCTACAGAGTCACACTCAATCCTCCGGGCACCTTCCTTGAAGGAGTGGCTAAGGTTGGAC AATACAGTTCAGTGCAGCTGCTGTGCGGGCCGTGTTTGGCCTCACCACCTGCATCAGCG CCCATGTCCGCGAGAAGCCCGACGACCCCTGAACTACTTCCTCGGTGGTGCGCCGGAG GCCTGACTCTGGGAGCACGCACGACAACACTACGGGATTGGCGCCGCCGCTGCGTGTACT TTGGCATAGCGGCCTCCCTGGTCAAGATGGGCCGGCTGGAGGGCTGGGAGGTGTTTGCAA AACCCAAGGTGTGAGCCCTGTGCCTGCCGGGACCTCCAGCCTGCAGAAATGCGTCCAGAAA TAAATTCGTGTCTGTGTGAAAAANAAAAAAAAAAAAAATCGACTCTAGATTGCGGCCGCG GTCATAGCTGTTTCTGAACAGATCCCGGTGGCATCCCTGTGACCNCTCCCCAGTGCCT CTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCCA
Restriction Sites:	NotI-NotI



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ACCN:	NM_175614
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:	<u>NM_175614.2</u> , <u>NP_783313.1</u>
RefSeq Size:	819 bp
RefSeq ORF:	426 bp
Locus ID:	126328
UniProt ID:	<u>Q86Y39</u>
Cytogenetics:	19p13.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, Oxidative phosphorylation
Gene Summary:	<p>This gene encodes a subunit of the membrane-bound mitochondrial complex I. Complex I is composed of numerous subunits and functions as the NADH-ubiquinol reductase of the mitochondrial electron transport chain. Mutations in this gene are associated with severe mitochondrial complex I deficiency. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (1) is a dominant transcript and encodes 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>