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Product datasheet for SC307860

NDUF3 (NDUFAF3) (NM_199073) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDUF3 (NDUFAF3) (NM_199073) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDUF3
Synonyms:	2P1; C3orf60; E3-3; MC1DN18
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for NM_199073, the custom clone sequence may differ by one or more nucleotides ATGTACATCGACAGCTACAACAGCCGCGGCTTCATGATAAACGGAAACCGCGTGCTCGGC CCCTGCGCTCTGCTCCCGCACTCGGTGGTGCAGTGGAACGTGGGATCCCACCAGGACATC ACCGAAGACAGCTTTTCCCTCTTCTGGTTGCTGGAGCCCCGGATAGAGATCGTGGTGGTG GGGACTGGAGACCGGACCGAGAGGCTGCAGTCCCAGGTGCTTCAAGCCATGAGGCAGCGG GGCATTGCTGTGGAAGTGCAGGACACGCCCAATGCCTGTGCCACCTTCAACTTCCTGTGT CATGAAGGCCGAGTAACTGGAGCTGCTCTCATCCCTCCACCAGGAGGGACTTCACTTACA TCTTTGGGCCAAGCTGCTCAATGA
Restriction Sites:	Please inquire
ACCN:	NM_199073
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).

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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_199073.1, NP_951047.1
RefSeq Size:	1021 bp
RefSeq ORF:	384 bp
Locus ID:	25915
Cytogenetics:	3p21.31
Gene Summary:	This gene encodes a mitochondrial complex I assembly protein that interacts with complex I subunits. Mutations in this gene cause mitochondrial complex I deficiency, a fatal neonatal disorder of the oxidative phosphorylation system. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2009] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a. Variants 2, 3 and 4 encode the same isoform.