

Product datasheet for SC105241

C20orf7 (NDUFAF5) (AK091060) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf7 (NDUFAF5) (AK091060) Human Untagged Clone
Tag:	Tag Free
Symbol:	C20orf7
Synonyms:	bA526K24.2; C20orf7; dj842G6.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for AK091060 edited ATGCTGCGGCCGCGAGGGCTCTGGCGCTTATGTCGGCGACCTTGGGCGGCGAGGGTCCCA GCGGAGAAATCTTGCCGTAGGGAAGTCACCTCTGGTGTCTCTCCCGCGGTAGCACCTCG CCCAGAACCTGAATATTTTCGACCGGGATTTGAAAAGGAAACAGAAGAACTGGGCAGCC CGGCAGCCCGAGCCGACCAAAATTTGACTACCTGAAGGAGGAGGTTGGAAGTCGGATCGCA GACCGTGTATATGACATACCCAGAAATTTCCCTTGGTCTTGGTGTGGAAGA GGTTACATTGCACAATATTTGAATAAGGAACTATTGGAAGTTTTTCCAAGCTGACATT GCAGAAATGCTTTGAAAAATCCTCAGAAACAGAAATACCTACTGTCAGCGTTTTAGCT GATGAAGAATTCCTTCCCTTCAAAGAAAATACATTTGACCTGGTGGTTAGCAGTTTAAGT TTGCATTGGGTGAATGACCTTCCTAGAGCACTTGAGCAGATTCATTATATTTAAACCA GATGGAGTGTATCGGTGCAATGTTTGGAGGCGACACTCTATGAACCTCGGTGTTCC TTACAGTTAGCGGAAACGAAAGGAAGGAGGATTTTCTCCACACATTTCTCCTTCACT GCTGTCAATGACCTGGGACATCTGCTTGGGAGAGCTGGCTTAATACTCTGACTGTGGAC ACTGATGAAATCAAGTTAACTATCCTGGAATGTTTGAATTGATGGAAGATTTACAAGGT ATGGGTGAGAGTAAGTGTCTTGAATAGAAAAGCCCTGCTGCATCGAGACACAATGCTG GCAGCTGCGGCAGTGTACAGAGAAATGTACAGAAATGAAGATGGTTCAGTACCTGCTACA TACCAGATCTATTACATGATAGGATGGAATATCATGAGTCACAGGCAAGACCAGCTGAA AGAGGTTCCGCAACTGTGTCATTTGGAGAGCTAGGAAAAATAACAACCTTATGCCACCG GGGAAAAAATCACAATAA


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5' Read Nucleotide Sequence:

>OriGene 5' read for AK091060 unedited
 TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGTCGCAGCTGGAGAT
 GCTGCGGCCGGCAGGGCTCTGGCGCTTATGTGGCGACCTTGGGCGGCGAGGGTCCCAGC
 GGAGAATCTTGGCCGTAGGGAAGTCACCTCTGGTGTCTCTCCCGCGGTAGCACCTCGCC
 CAGAACCTGAATATTTTCGACCGGGATTGAAAAGGAAACAGAACTGGGCAGCCCG
 GCAGCCGAGCCGACCAATTTGACTACCTGAAGGAGGAGTTGGAAGTCGGATCGCAGA
 CCGTGTATATGACATACCCAGAAATTTCCCTTGGATCTTGGTTGTGGAAGAGG
 TTACATTGCACAATATTTGAATAAGGAACTATTGGAAAGTTTTTCCAAGCTGACATTGC
 AGAAAATGCTTTGAAAAATTCCTCAGAAACAGAAATACCTACTGTCAGCGTTTTAGCTGA
 TGAAGAATTCCTTCCCTTCAAAGAAAATACATTTGACCTGGTGGTTAGCAGTTTAAGTTT
 GCATTGGGTGAATGACCTTCTAGAGCACTTGAGCAGATTCATTATTTTAAACCAGA
 TGGAGTGTATCGGTGCAATGTTTGGAGGCGACACACTCTATGAATTCGGTGTTCCTT
 ACAGTTAGCGGAAACGGATAGGGAAGGAGGATTTCTCCACACATTTCTCCTTTCACTGC
 TGTCAATGACCTGAGACATCTGCTTGGGAGAGCTGGCCTTATACTCTGACTGTGGACACT
 GATGAAATTCAGTTACTATCCTGGAATGTTTGAATTGATGGAAGATTTACCAGTATGGG
 TGAGAGTTACTGTGCTGGNAATAGAAAAGCCCTGCTGCATCGAAACACATGCTNGCAGCT
 CGGCGAGTGACANAGTAATGTACAAAATGAAGATTCCTCAGCCN

3' Read Nucleotide Sequence:

>OriGene 3' read for AK091060 unedited
 GTACCGCGGCCGCTTTTAGNATCGAGTTTTTTTTTTTTTTTTTAACTGGAAAAATAT
 TTATTGTGATTTTTTCCCGGTGGCATAAGGTTGTTATTTTCTAGCTCTCCAAATGA
 CACAGTTGCGGAACCTCTTTCAGCTGGTCTTGCCTGTGACTCATGATTTCCATCCTAT
 CATGTAATAGATCTGGTATGTAGCAGGTAAGCATCTTCATTCTGTACATTTCTCT
 GTACACTGCCGAGCTGCCAGCATTGTGTCTCGATGCAGCAGGGCTTTTCTATTCCAAGC
 ACAGTTACTCTCACCCATACCTTGTAATCTTCCATCAATTCAAACATTCAGGATAGTT
 AACTTGAATTTATCAGTGTCCACAGTCAGAGTATTAAGCCAGCTCTCCCAAGCAGATG
 TCCCAGGTCATTGACAGCAGTGAAAGGAGAAATGTGTGGAGAAAACTCCTCTCCCTTTC
 CGTTTCCGCTAACTGTAAGGAACACCGAAGTTCATAGAGTGTGTCGCCTCCAAACATTGC
 ACCGATAAACACTCCATCTGGTTTTAAATATAATGAATCTGCTCAAGTGCTCTAGGAAG
 GTCATTCACCCAATGCAAACTTAACTGCTAACCACAGGTCAAATGTATTTCTTTGAA
 GGAAGGAATTTCTCATCAGCTAAACGCTGACAGTAGGATTTCTGTTTCTGAGGAATT
 TTTCAAAGCATTNTCTGCAATGTACAGTTGGAAAACTTTCCAATAGTTTCCTTATTCAA
 ATATTGTCAATGTAACCTCTTTCACACCAAGATCCAAAGCAAGGGGGAATTNCTGGG
 TATGTCATATACAGGTCTGCGATCCGACTTCCACCTCCTCCTCAGTAGTCAATTTTAG
 TCGCTCGGCTGCAGGCTGCCAGTTCTCA

Restriction Sites:

NotI-NotI

ACCN:

AK091060

Insert Size:

1020 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:	<u>AK091060.1</u> , <u>BAG52273.1</u>
RefSeq Size:	2341 bp
RefSeq ORF:	804 bp
Locus ID:	79133
Cytogenetics:	20p12.1
Protein Families:	Druggable Genome
Gene Summary:	The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes a mitochondrial protein that is associated with the matrix face of the mitochondrial inner membrane and is required for complex I assembly. A mutation in this gene results in mitochondrial complex I deficiency. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]