

Product datasheet for **SC126946**

FAM36A (COX20) (NM_198076) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM36A (COX20) (NM_198076) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM36A
Synonyms:	FAM36A; MC4DN11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126946 sequence for NM_198076 edited (data generated by NextGen Sequencing) ATGGCCGCCCGCCGAGCCCGGTGAGCCCGAGGAGGAAGTCCCTTAAGCTCCTAGGA TTTTTAGATGTTGAAAATACTCCCTGCGCCCGCATTCAATATTGTATGGTTCATTAGGA TCTGTTGTGGCTGGCTTTGGACATTTTTTGTCTACTAGTAGAATTAGAAGATCATGTGAT GTTGGAGTAGGAGGTTTATCTTGGTGACTTTGGGATGCTGGTTTCATTGTAGGTATAAT TATGCAAAGCAAAGAATCCAGGAAAGAATTGCCAGAGAAGAAATTAAGAAAGATATTA TATGAAGGTACCCACCTCGATCCTGAAAGAAAACACAACGGCAGCAGCAATTGA

Clone variation with respect to NM_198076.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198076 unedited ACGACTCACTATAGGCGCGCCGGAATTCGGCACGAGGCCCGCGGTCAGGGCGGGTG GAGTCGCGGAGTAGTCCTCATGGCCGCCCGGAGCCCGGTGAGCCCGAGGAGAGGAA GTCCCTTAAGCTCCTAGGATTTTTAGATGTTGAAAATACTCCCTGCGCCCGCATTCAAT ATTGATGGTTCATTAGGATCTGTTGTGGCTGGCTTTGGACATTTTTTGTCACTAGTAG AATTAGAAGATCATGTGATGTTGGAGTAGGAGGGTTTATCTTGGTGACTTTGGGATGCTG GTTTCATTGTAGGTATAATTATGCAAAGCAAAGAATCCAGGAAAGAATTGCCAGAGAAGA AATTAAAAAGAAGATATTATATGAAGTACCCACCTCGATCCTGAAAGAAAACACAACGG CAGCAGCAGCAATTGAACAATCTTGAGCATAGAAGTCAATGTAACGAAGTTAAGATCAA CCACATAAAACATTTTCATGTGCAATAAGCTCTCAATCAAGTAAATAAGTTTAAGTTGTA GTCATTTTTTTCCACACTTGTGTGGAATGAAACTTGCCAGTTTATTCTGGCCCTGTGT CTACTGCCAGGATAGCATTCTTACGTGTTACATATAGTGGACTTGCATCCTTANAATGT GAACAGAAATTTATTGCCAGTGTGGCAAAGAATACTAAACATAGTGTTAATGTACTTGG GTTTCCTGTAGTAGTAAGTATAGAGTTTGATGATAAGTAAACGTCCTTAACAAAACCT CACCTTATACTATCCATTA AAAACAGCAATACTACTGAGTTCTGNAGAGCTATGCCTG TTAGATTA AAAACTAGGCCTTTATCACTTGCAAATTTTTTAAATGCTTCTCATTGAAGGG TTCTTTTCTTAAAGCGATCATCTCCAAGAGTGTTTTACGCCTAACTTTGTGGAGATGC AGGTAATTTTAGCAAATAGC
Restriction Sites:	NotI-NotI
ACCN:	NM_198076
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_198076.4 , NP_932342.1
RefSeq Size:	2632 bp
RefSeq ORF:	357 bp
Locus ID:	116228
UniProt ID:	Q5RI15
Cytogenetics:	1q44

Gene Summary:

This gene encodes a protein that plays a role in the assembly of cytochrome C oxidase, an important component of the respiratory pathway. It contains two transmembrane helices and localizes to the mitochondrial membrane. Mutations in this gene can cause mitochondrial complex IV deficiency, which results in ataxia and muscle hypotonia. There are multiple pseudogenes for this gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1. Variants 1 and 2 encode the same protein (isoform 1).