

Product datasheet for **SC108331**

SLC25A26 (NM_173471) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A26 (NM_173471) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A26
Synonyms:	COXPD28; SAMC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173471, the custom clone sequence may differ by one or more nucleotides

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ATGGACCGGCCGGGGTTCGTGGCAGCGCTGGTGGCTGGTGGGGTAGCAGGTGTTTCTGTTGACTTGATAT
TATTTCTCTGGATACCATTAACCAGGCTGCAGAGTCCCCAAGGATTTAGTAAGGCTGGTGGTTTTCA
TGGAAATATGCTGGCGTTCCTTCTGCTGCTATTGGATCCTTTCCTAATGCTGCTGCATTTTTATCACC
TATGAATATGTGAAGTGGTTTTTGCATGCTGATTCATCTTCATATTTGACACCTATGAAACATATGTTGG
CTGCCTCTGCTGGAGAAGTGGTTGCCTGCCTGATTCGAGTTCATCTGAAGTGGTTAAGCAGAGGGCACA
GGTATCTGCTTCTACAAGAACATTTAGATTTTCTCTAACATCTTATATGAAGAGGGTATCCAAGGGTTG
TATCGAGGCTATAAAAGCACAGTTTTAAGAGAGATTCCTTTTTCTTTGGTCCAGTTCCCTTATGGGAGT
CCTTAAAAGCCCTCTGGTCTGGAGGCAGGATCATGTGGTGGATTCTTGGCAGTCAGCAGTCTGTGGAGC
TTTTGCAGGTGGATTTGCCGCTGCAGTCACCACCCCTCTAGACGTGGCAAAGACAAGAATTACGCTGGCA
AAGGCTGGCTCCAGCACTGCTGATGGGAATGTGCTCTCTGCTGCTGATGGGGTCTGGCGGTACAGGGGC
TGGCAGGATTTTGCAGGTGCTTCCCTCGAATGGCAGCCATCAGTCTGGGAGGTTTCATCTTTCTGGG
GGCTTATGACCGAACGCACAGCTTGCTGTTGGAAGTTGGCAGAAAGATCCTTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173471 unedited TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCGAGGACGTGAT CCGCTTCTGCTCCGGCTTGGATTGTAGCCTTGACGAGGTCTGAGCGACCATGGACCGGCC GGGGTTCGTGGCAGCGCTGGTGTGCTGCATTTTTATCACCTATGAATATGTGAAGTGG TTTTTGCATGCTGATTCATCTTCATATTTGACACCTATGAAACATATGTTGGCTGCCTCT GCTGAAAAAGTGGTTGCCTGCCTGATTCGAGTTCATCTGAAGTGGTTAAGCAGAGGGCA CAGGTATCTGCTTCTACAAGAACATTTTCAGATTTTCTCTAACATCTTATATGAAGAGGGT ATCCAAGGGTGTATCGAGGCTATAAAAGCACAGTTTTAAGAGAGATTCCTTTTCTTTG GTCCAGTTTTCCCTTATGGGAGTCCTTAAAAGCCCTCTGGTCTGGAGGCAGGATCATGTG GTGGATTCTTGGCAGTCAGCAGTCTGTGGAGCTTTTGCAGGTGGATTTGCCGCTGCAGTC ACCACCCCTCTAGACGTGGCAAAGACAAGAATTACGCTGGCAAAGGCTGGCTCCAGCACT GCTGATGGGAATGTGCTCTGTCTGCTGCATGGGGTCTGGCGGTACAGGGCTGGCAGGAT TATTTGCAGGTGTCTTCCCTCGAATGGCAGCCATCAGTCTGGGAGTTTCATCTTTTGGG GGCTTATGACCGAACGCCAGCTTGTGTTGGAAGTTGGCAAAGAGTCTTGAAGCAAGA CAGCCTCACCTCCACTTCTGTAAGAGAAGGGCCTGCAGTGAACCCTCTTCGCTGAGCAG CTGTCTGACTATAGGCCCATGCTGAGAACCGTTGGCTAGATAAGGCATGGAGATGTGCC ATCCGCGCATAGCTCGCTGTATGAATCATTGGCCTGTTGCCCAAAACTAA
Restriction Sites:	NotI-NotI
ACCN:	NM_173471
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_173471.1</u> , <u>NP_775742.2</u>
RefSeq Size:	2686 bp
RefSeq ORF:	561 bp
Locus ID:	115286
UniProt ID:	<u>Q70HW3</u>
Cytogenetics:	3p14.1

Gene Summary:

This gene is a member of the mitochondrial carrier family which includes nuclear-encoded transporters localized on the inner mitochondrial membranes. Members of the family transport important small molecules across the mitochondrial inner membrane. This protein is involved in the transport of S-adenosylmethionine (SAM) into the mitochondria. Mutations in this gene are associated with combined oxidative phosphorylation deficiency 28.

Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2017]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). 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.