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Product datasheet for SC327385

SLC25A26 (NM_001164796) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC25A26
Synonyms:	COXPD28; SAMC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327385 representing NM_001164796. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAAACATATGTTGGCTGCCTCTGCTGGAGAAGTGGTTGCCTGCCTGATTCGAGTTCCATCTGAAGTG GTTAAGCAGAGGGCACAGGTATCTGCTTCTACAAGAACATTTCAGATTTTCTCTAACATCTTATATGAA GAGGGTATCCAAGGGTTGTATCGAGGCTATAAAAGCACAGTTTTAAGAGAGATTCCTTTTTCTTTGGTC CAGTTTCCCTTATGGGAGTCCTTAAAAGCCCTCTGGTCCTGGAGGCAGGATCATGTGGTGGATTCTTGG CAGTCAGCAGTCTGTGGAGCTTTTGCAGGTGGATTTGCCGCTGCAGTCACCACCCCTCTAGACGTGGCA AAGACAAGAATTACGCTGGCAAAGGCTGGCTCCAGCACTGCTGATGGGAATGTGCTCTCTGTCCTGCAT GGGGTCTGGCGGTCACAGGGGCTGGCAGGATTATTTGCAGGTGTCTTCCCTCGAATGGCAGCCATCAGT CTGGGAGGTTTCATCTTTCTGGGGGCTTATGACCGAACGCACAGCTTGCTGTTGGAAGTTGGCAGAAAG AGTCCTTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001164796
Insert Size:	561 bp

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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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001164796.1
RefSeq Size:	2154 bp
RefSeq ORF:	561 bp
Locus ID:	115286
UniProt ID:	Q70HW3
Cytogenetics:	3p14.1
MW:	20.1 kDa
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 (2) lacks a portion of the 5' coding region, and uses a downstream translational start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.