

Product datasheet for **SC330883**

Mitochondrial dicarboxylate carrier (SLC25A10) (NM_001270888) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mitochondrial dicarboxylate carrier (SLC25A10) (NM_001270888) Human Untagged Clone
Tag:	Tag Free
Symbol:	Mitochondrial dicarboxylate carrier
Synonyms:	DIC; MTDPS19
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330883 representing NM_001270888. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCAGCCGAGGCGCGGTGTCGCGCTGGTACTTCGGGGGGCTGGCCTCCTGCGGGGCCGCTGCTGC
ACGCACCCGCTGGACCTGCTCAAGGTGCATCTGCAGACGCAGCAGGAGGTGAAGCTGCGCATGACGGGC
ATGGCGTGC GG GTGGTGC GTACCGACGGCATCCTGGCACTCTACAGCGGCTGAGCGCCTCGTGTGC
AGACAGATGACCTACTCCCTGACTCGGTTCCGCATCTACGAGACTGTGCGGGACCGTGTGGCCAAGGGC
AGCCAGGGGCTCTCCCCTCCACGAGAAGGTGTTGCTGGGCTCCGTGAGCGTTTACTGGAGGCTTC
GTGGGGACGCCCCGAGACTTGGTCAACGTCAGGATGCAGAACGAGTGAAGCTGCCCCAGGGTCAGCGG
CGCAACTACGCCATGCGCTGGATGGCCTGTACCGCGTAGCTCGTGAAGAGGGTCTCAGGAGACTGTTC
TCGGGTGCAACCATGGCATCCAGCCGAGGGGCCTTAGTCACTGTGGGCCAGCTGTCTGCTACGACCAG
GCCAAGCAGCTGGTCTTAGCACCGGGTACCTCTCTGACAACATCTTCACTCACTTTGTCCGACGCTTT
ATTGCAGCCGCTGGTGCAGAGCCCCCTCCTCAGGGTGGATGTGCCACGTTCTGTGCCAGCCCCCTGGAT
GTGCTGAAGACTCGCCTGATGAACCTCAAGGGGGAGTATCAGGGCGTTTTCCACTGCGCCGTGGAGACA
GCGAAGCTCGGGCCTCTGGCCTTTACAAGGGCCTCGTCCAGCTGGCATCCGCCTATCCCCACACC
GTGCTCACTTTTGTGTTCTGGAACAGCTACGCAAAAACCTTGGCATCAAAGTGCCATCCTGA

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001270888
Insert Size:	891 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).



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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_001270888.1](#)

RefSeq Size: 2035 bp

RefSeq ORF: 891 bp

Locus ID: 1468

UniProt ID: [Q9UBX3](#)

Cytogenetics: 17q25.3

MW: 32.1 kDa

Gene Summary: This gene encodes a member of a family of proteins that translocate small metabolites across the mitochondrial membrane. The encoded protein exchanges dicarboxylates, such as malate and succinate, for phosphate, sulfate, and other small molecules, thereby providing substrates for metabolic processes including the Krebs cycle and fatty acid synthesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.