

Product datasheet for **SC307204**

SLC25A42 (NM_178526) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A42 (NM_178526) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A42
Synonyms:	MECREN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307204 representing NM_178526. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGGTAAATGGTGTGAAGGAAGGCCCGGTGCGATTGCATGAGGATGCTGAGGCTGTCTGTCTCTCGTCC
 GTCTCATCAAAGCGTGACCACAGGCAAGTGCTCAGCTCCCTGCTGTCTGGGGCCCTGGCTGGTGCCTT
 GCCAAACAGCGGTAGCTCCCTGGACCGAACCATACTCTCAAGTGTCTTCAAAAGATTTTCT
 GCCAAGGAGGCCCTCCGGGTCTCTACTACACCTACCTCAACGAGGGATTCTCAGCTTGTGGCGCGGG
 AACTCGGCCACCATGGTGCCTGGTGCCTACGCCGCATCCAGTTCAGCGCACACGAGGAGTACAAG
 CGCATCTTGGGCGCTACTATGGCTTCCGTGGAGAAGCCCTGCCCTTGGCCTCGCTCTTCGCCGGC
 GCACTGGCTGGAACGACAGCCGCTTCACTGACCTACCCCTGGACCTGGTCAGAGCGCGGATGGCCGTA
 ACCCCGAAGGAAATGTACAGCAACATCTTTCATGTCTTCATCCGCATCTCGAGAGAAGAGGGGCTGAAG
 ACTCTCTACCATGGATTTATGCCACCGTGTGGGGGTCAATCCCTACGCTGGCCTGAGCTTCTTACC
 TATGAGACGCTCAAGAGCTTGACAGAGAGTACAGCGGCCGCCGCGCAGCCCTACCCCTTCGAGCGCATG
 ATCTTCGGCGCCTGCGCTGGCCTCATCGGGCAGTCGGCCTCGTACCCGCTGGATGTGGTGGCGCGCGC
 ATGCAGACGGCCGGCGTCACGGGCTACCCGCGCGCCTCCATCGCCGACGCTGCGCACCATCGTGCGG
 GAGGAGGGCGCCGTGCGCGGCTCTACAAAGGCTTGAGCATGAAGTGGTCAAGGTCCCATCGCCGTG
 GGCATCAGCTTCAACACCTTCGACCTCATGCAGATCCTGCTGCGGCACCTGCAGAGC**TAG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_178526
Insert Size:	957 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.
RefSeq:	NM_178526.4
RefSeq Size:	3279 bp
RefSeq ORF:	957 bp
Locus ID:	284439
UniProt ID:	Q86VD7
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome
MW:	35.4 kDa
Gene Summary:	This gene encodes a solute carrier family 25 protein. Solute carrier family 25 proteins are localized to mitochondria and play critical roles in the transport of molecules across the inner mitochondrial membrane. The encoded protein is a mitochondrial transporter for coenzyme A (CoA) and adenosine 3',5'-diphosphate. [provided by RefSeq, Feb 2012]