

Product datasheet for **SC104674**

SLC25A42 (AF521885) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A42 (AF521885) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A42
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC104674 sequence for AF521885 edited (data generated by NextGen Sequencing) ATGCTGCTGATTCTAGTGACCCCTGTCCCACCAGGCTCAGAGCCAGACTGCGCCTGGAC CTTCTTGTCTGACTCCACGTGCCTGCCCGCCCTCCAGGGTGCGGGGGCGCCTTTCTTGC AGGCGGACCCTGCCCAGGATGGGGCCAGCCTCGTGCTCAGCTTTGGCCACAAATGCAGCC CCTGGCCACCCACCCTGCCGGCCCTGCCTTCTCCAGTATTTCCACATGGCCACGACT CCTCAGTCACTAGAGCCTCCTGCTGGGAACAGTGTCCCCAGAGCCTCATGTCTATCCTA GACCCTGCAAGCAGCTGGGTCCCCAAGAGTGCATCTCCCCTAGAGTTGCCTGCCCATGC CCACCTGCTTTGTAA Clone variation with respect to AF521885.1 50 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for AF521885 unedited GGCGTGTTCAAAAATTTGTAATACGACTCACTATAGGCGGCCGCGAAATTCGCACACAGGGG CCTCTACAAAGGCTTGAGCATGAACTGGGTCAAGGGTCCCATCGCCGTGGGCATCAGCTT CACCACCTTCGACCTCATGCAGATCCTGCTGCGGCACCTGCAGAGCTAGGGGACCCTGAG CTGCTCTCAGGACGGTGGACCGGTGACCCCTTTGATTCTGGGCCATGGAACGGTGGGG GGGTGCGCTTGATTCTACTTCAGGAGGCACATGGGGCGCTTTATGGAACGAGCAGGTGGG CCTGAGGGGCTGGGCTCAGAGTCCACGTCCAAACGCAAAGCTGGCAGCCCTGGAAGTGC AGTGTTGGGGCGATGGTGTGGGGGTCCCGCAGCTCCCTCTTCCTTCTCTGCAGACGC TGGCGCTGTCTGCCGAGGTGTTGCCAAAAGGCCCTAGTGGGGCGTGGTCACTCCACC TCCTGATCCTGTGTGCTCCGACATGCTGCTGATTCTAGTGACCCCTGTCCCAACAGG CTCAGAGCCAGACTGCGCCTGGACCTTCTTGTCTGACTCCACGTGCCTGCCCGGCTCC AGGGTGCAGGGGCGCCTTTCTTGACGGCGACCTGCCAGGATGGGGCCAGCCTCGTGC TCAGCTNTGGCCACAAATGCAGCCCTGGCCACCCACCCTGCCGGCCTGCCTTCTCC AGTATTTCCACATGGCCACGACTCCTCAGTCACTAGAGCCTNCTGCTGGGAACAGTGTN CCCCGAGCCTCATGTCTATCCTAGACCCTGCAGCAGCTGGGTCCCAAGATGCATCTCCN NCTAAAGTGCCTGCCATGCCACTGCTTTGTACCTTCAGAGATCATGCTTGCTGCACA CAGC
3' Read Nucleotide Sequence:	>OriGene 3' read for AF521885 unedited ATCGCTGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGTCAT TTAAGTTTTTATTAAATATACTCTTTTGGGGCAAATGTTTAAATATATAAACCTTAGGA TATAAACAGTGTGTTTCATGGGGTCAAAATATACTCCAGTACCAAGACCAGTGACCAGCA TGGAGGCAAGTGACCGCAGAGCCTGAGGGCCTGGCTGTGTGCAAGGGTGGGGACAGCAC TGTCCCCAACTGCTGCCGGTCTCTACTTATCTAGGAGCCATCTTCGGGGAGACACACTGG GGTCAGCAGGGACTGGGGGACCTCCACCTACCCCTTGCTATACTGTCTAGCCTGTGG CCCCGAATGCACTCATTTGGTCTCACCCACCTGGGGCAGACCCCAATTTCTACTGATGT TGCATGCTTGTTGGAATTGGGTGCCCTCCCATCTCCCTGTGAGGGTTGCCCTGGCTCTAC TGCCAAGTTTAAATGCTGGGTAAAGGATACCCGCACAGTGGGACAGCCGCTCACAGGCAT CACAGGCTGACTGGGCTATGGGGACAAGATCACGGATGGCTGGTGGCCACATGCTAAGA ATGCAGACATAGCGGTCTGCACACCTGCTTGTCCTCAAGCAAGAACCCGAGGAGGACAGAA TGAATGCAAAATGAAGTCACGACTGGGCATGAACAGCTCACATGCTTGCAACAGTGTGTGC TGATCCAGCTGTGAAAGGAACATCATGGGCACGCTGACCCTGTACCCAGCCAGACAGTC AGGGTTCCATGTGAATAGATCATGAACCCGGGTGAGCCGTTTGAATACGAATCNGATCC TTCAAAAAAAGGAAGCCGAACCCACGCTGTCCTTCGATATGGGAGATAATGAAACCTGG GATAACTGCCAGGCCCTGGGGGTCTCTGAGAACCAGTAGCTGGGGGTCTCTGGGCA CTCACATTACCCTACTTCCACCTAGATTACTC
Restriction Sites:	NotI-NotI
ACCN:	AF521885
Insert Size:	5500 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).

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: [AF521885.1](#), [AAM81327.1](#)

RefSeq Size: 2338 bp

RefSeq ORF: 375 bp

Locus ID: 284439

Cytogenetics: 19p13.11

Protein Families: Druggable Genome

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]