

Product datasheet for **SC106473**

SLC25A39 (AF317711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A39 (AF317711) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A39
Synonyms:	CGI-69; CGI69
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AF317711, the custom clone sequence may differ by one or more nucleotides

ATGGCTGACCAGGACCTGCGGGCATCAGCCCCCTCCAGCAAATGGTGGCCTCAGGCACCGGGGCTGTGG
 TTACCTCTCTCTTCATGACACCCCTGGACGTGGTGAAGGTTGCGCTGCAGTCTCAGCGGCCCTCCATGGC
 CAGCGAGCTGATGCCTTCCTCCAGACTGTGGAGCCTCTCCTATACCAAATTGCCCTCCTCTCTCCAATCC
 ACAGGGAAGTGCCTCCTGTATTGCAATGGTGTCTGGAGCCTCTGTACCTGTGCCAAATGGTGGCCGCT
 GTGCCACCTGGTTTCAAGACCTACCCGCTTCACTGGCACCATGGATGCCTTCGTGAAGATCGTGAGGCA
 CGAGGGCACCAGGACCTCTGGAGCGGCTCCCGCCACCCTGGTGATGACTGTGCCAGTACCGCCATC
 TACTTCACTGCCTATGACCAACTGAAGGCCTTCCTGTGTGGTCGAGCCCTGACCTCTGACCTCTACGCAC
 CCATGGTGGCTGGCGCGCTGGCCCGCTGGGCACCGTGACTGTGATCAGCCCCCTGGAGCTTATGCGGAC
 AAAGCTGCAGGCTCAGCATGTGTCTGACCGGGAGCTGGGTGCCTGTGTTGCAACTGCAGTGGCTCAGGGT
 GGCTGGCGCTCACTGTGGCTGGGCTGGGGCCCCACTGCCCTTCGAGATGTGCCCTTCTCAGCCCTGTACT
 GGTTCAACTATGAGCTGGTGAAGAGCTGGCTCAATGGGCTCAGGCCGAAGGACCAGACTTCTGTGGGCAT
 GAGCTTTGTGGCTGGTGGCATCTCAGGGACGGTGGCTGCAGTGTGACTTACCTTTGACGTGGTAAAG
 ACCCAACGCCAGGTCGCTCTGGGAGCGATGGAGGCTGTGAGAGTGAACCCCTGCATGTGGACTCCACCT
 GGCTGCTGCTGCGGAGGATCCGGGCCGAGTCGGGCACCAAGGGACTCTTTCAGGCTTCTTCTCGGAT
 CATCAAGGCTGCCCCCTCCTGTGCCATCATGATCAGCACCTATGAGTTCGGCAAAGCTTCTTCCAGAGG
 CTGAACCAGGACCGGCTTCTGGCGGCTGA


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5' Read Nucleotide Sequence:

>OriGene 5' read for AF317711 unedited
 GCTGGATTTGTAATCCGACTTTACTATAGGNCGGCACGCGCAATTCGGCACGAGGCCGCG
 CCGCACGAGCACCAGCCTAGAGCCAGGACTGAAGCTTCAAGATGGCTGACCAGGACCCCTG
 CGGGCATCAGCCCCCTCCAGCAAATGGTGGCCTCAGGCACCGGGGCTGTGGTTACCTCTC
 TCTTCATGACACCCCTGGACGTGGTGAAGGTTGCGCTGCAGTCTCAGCGGCCCTCCATGG
 CCAGCGAGCTGATGCCTTCCTCCAGACTGTGGAGCCTCTCCTATACCAAATTGCCCTCCT
 CTCTCCAATCCACAGGGAAGTGCTCCTGTATTGCAATGGTGTCTGGAGCCTCTGTACC
 TGTGCCCAAATGGTGCCCGCTGTGCCACCTGGTTTCAAGACCCCTACCCGCTTCACTGGCA
 CCATGGATGCCTTCGTGAAGATCGTGAGGCACGAGGGCACCAGGACCCTCTGGAGCGGCC
 TCCCCGCCACCCTGGTGATGACTGTGCCAGCTACCGCCATCTACTTCACTGCCTATGACC
 AACTGAAGGCCTTCCTGTGTGGTCGAGCCCTGACCTCTGACCTCTACGCACCCATGGTGG
 CTGGCGCGCTGGCCCGCTGGGCACCGTACTGTGATCAGCCCCCTGGAGCTTATGCGGA
 CAAAGTGCAGGCTCAGCATGTGTCGTACCGGGAGCTGGGTGCCTGTGTTGAACTGCAG
 TGGCTCAGGGTGGGCTGGCGCTCACTGTGGCTGGGCTGGGGCCCCACTGCCCTTCNAGAT
 GTGCCCTTCTTAGGCTTGTACTGGNTTCACTTATGAGCTGGTTGAAAAGCTGGCTCAATG
 GGCTCAGGCCCAAGACCAGACTCTTGTGCATGAGCTTTTGTGCTGGTGGCATCTCAGG
 AACGGTGGCTGCANGGCCGTGCTTTCCCTTTGACGTGGTAAAACCAACGCCCGGTCA

3' Read Nucleotide Sequence:

>OriGene 3' read for AF317711 unedited
 GTCCTATTATGNNANCGCGGCACCGCATTCCATGACTCGAGTTTTTTTTTTTTTTTTTTT
 AAGTTCATCATCTTTAGACTTAAGGAATTAACAAGGGTCAGGGAGACTACACCAGGCTGA
 GGGCTTCTTGGTTCCTGGAGACATGCCAGCTACAGCAAACACAGGGAACACGAAGGGG
 GCAGCTGGAAGATTTGGTCTTGAACCTGGGGGGTGGGTAAGTGATGATCCCCACGACTGG
 AGCAGCAGGAAGAAGTTGTGTCTGAGGAAGTGCTGGGCCGCCAGAGGGACAGCCCTGCC
 CTGGAGCTTGTGCGCGGAGGGAAGGGAACAAGCCCCCTCCCTCAGTGCTGAAGAAAAG
 GCACTTGGCTGGGTCTCCTCCTGCCCTCTCCCCATCCGTGGGAGAGACGGGGTCTTTGCC
 TCCTTGCCCCCTTCAGCCGCCCAGAAGCCGGTCTCGTTTCAGCCTCTGGAAGAAGCTTTT
 GCCGAACCTCATAGGTGCTGATCATGATGGCACAGGAGGGGGCAGCCTTGATGATCCGAGA
 ATGAAGCCTGCAAAGAGTCCCTTGGTGCCCGACTCGGCCCGATCCTCCGACGACGAGC
 CAGGTGGAGTCCACATGCAGGGGGGTCACTCTNACAGCCTCCATCGCTCCAGAGCGACC
 TGCGCTTGGGTCTTTACCACGTAAAGGGTAGAGTCAGCACTGCAGCCACCGTCCCTGATA
 TGCCACCAGCCACAAAGCTCATGCCACAGAAGTCTGGTCTTCGGGCTGAGCCCATTTGA
 GGCCAGCTTTTACCAACTCATATTTGAACCAAGTACAGGGCTGANAAGGGCCCTCTCGAAG
 GGCATGGGGGCCCCACCCATCCAGTGAGCGCCACCCACCCTGAACACTGGAGTTCGA
 C

Restriction Sites:

NotI-NotI

ACCN:

AF317711

Insert Size:

1750 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: [AF317711.1](#), [AAG60687.1](#)

RefSeq Size: 1114 bp

RefSeq ORF: 1080 bp

Locus ID: 51629

Cytogenetics: 17q21.31

Domains: mito_carr

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the SLC25 transporter or mitochondrial carrier family of proteins. Members of this family are encoded by the nuclear genome while their protein products are usually embedded in the inner mitochondrial membrane and exhibit wide-ranging substrate specificity. Although the encoded protein is currently considered an orphan transporter, this protein is related to other carriers known to transport amino acids. This protein may play a role in iron homeostasis. [provided by RefSeq, Mar 2016]