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# Product datasheet for SC319284

## SLC25A39 (NM_016016) Human Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | SLC25A39 (NM_016016) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | SLC25A39 |
| **Synonyms:** | CGI-69; CGI69 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC (PS100020) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>OriGene sequence for NM_016016.1
CCGCGCACAGGCGGCGGAGCCGGTATGGGCCCGCCTGGCCCTGGGCGCCGCGCCGCACGA
GCACCAGCCTAGAGCCAGGACTGAAGCTTCAAGATGGCTGACCAGGACCCTGCGGGCATC
AGCCCCCTCCAGCAAATGGTGGCCTCAGGCACCGGGGCTGTGGTTACCTCTCTCTTCATG
ACACCCCTGGACGTGGTGAAGGTTCGCCTGCAGTCTCAGCGGCCCTCCATGGCCAGCGAG
CTGATGCCTTCCTCCAGACTGTGGAGCCTCTCCTATACCAAATGGAAGTGCCTCCTGTAT
TGCAATGGTGTCCTGGAGCCTCTGTACCTGTGCCCAAATGGTGCCCGCTGTGCCACCTGG
TTTCAAGACCCTACCCGCTTCACTGGCACCATGGATGCCTTCGTGAAGATCGTGAGGCAC
GAGGGCACCAGGACCCTCTGGAGCGGCCTCCCCGCCACCCTGGTGATGACTGTGCCAGCT
ACCGCCATCTACTTCACTGCCTATGACCAACTGAAGGCCTTCCTGTGTGGTCGAGCCCTG
ACCTCTGACCTCTACGCACCCATGGTGGCTGGCGCGCTGGCCCGCCTGGGCACCGTGACT
GTGATCAGCCCCCTGGAGCTTATGCGGACAAAGCTGCAGGCTCAGCATGTGTCGTACCGG
GAGCTGGGTGCCTGTGTTCGAACTGCAGTGGCTCAGGGTGGCTGGCGCTCACTGTGGCTG
GGCTGGGGCCCCACTGCCCTTCGAGATGTGCCCTTCTCAGCCCTGTACTGGTTCAACTAT
GAGCTGGTGAAGAGCTGGCTCAATGGGCTCAGGCCGAAGGACCAGACTTCTGTGGGCATG
AGCTTTGTGGCTGGTGGCATCTCAGGGACGGTGGCTGCAGTGCTGACTCTACCCTTTGAC
GTGGTAAAGACCCAACGCCAGGTCGCTCTGGGAGCGATGGAGGCTGTGAGAGTGAACCCC
CTGCATGTGGACTCCACCTGGCTGCTGCTGCGGAGGATCCGGGCCGAGTCGGGCACCAAG
GGACTCTTTGCAGGCTTCCTTCCTCGGATCATCAAGGCTGCCCCCTCCTGTGCCATCATG
ATCAGCACCTATGAGTTCGGCAAAAGCTTCTTCCAGAGGCTGAACCAGGACCGGCTTCTG
GGCGGCTGAAAGGGGCAAGGAGGCAAGGACCCCGTCTCTCCCACGGATGGGGAGAGGGCA
GGAGGAGACCCAGCCAAGTGCCTTTTCCTCAGCACTGAGGGAGGGGGCTTGTTTCCCTTC
CCTCCCGGCGACAAGCTCCAGGGCAGGGCTGTCCCTCTGGGCGGCCCAGCACTTCCTCAG
ACACAACTTCTTCCTGCTGCTCCAGTCGTGGGGATCATCACTTACCCACCCCCCAAGTTC
AAGACCAAATCTTCCAGCTGCCCCCTTCGTGTTTCCCTGTGTTTGCTGTAGCTGGGCATG
TCTCCAGGAACCAAGAAGCCCTCAGCCTGGTGTAGTCTCCCTGACCCTTGTTAATTCCTT
AAGTCTAAAGATGATGAACTTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAA



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| **Restriction Sites:** | Please inquire |
| **ACCN:** | NM_016016 |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_016016.1, NP_057100.1 |
| **RefSeq Size:** | 1556 bp |
| **RefSeq ORF:** | 1056 bp |
| **Locus ID:** | 51629 |
| **UniProt ID:** | Q9BZJ4 |
| **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]<br>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region compared to variant 1. The encoded isoform (b) is shorter but has the same N- and C-termini compared to isoform a. |