

## Product datasheet for **SC216505**

### **SLC25A25 (NM\_001006641) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	SLC25A25 (NM_001006641) Human 3' UTR Clone
Symbol:	SLC25A25
Synonyms:	MCSC; PC_SCL; SCAMC-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001006641
Insert Size:	1831 bp



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**Insert Sequence:** >SC216505 3'UTR clone of NM\_001006641  
 The sequence shown below is from the reference sequence of NM\_001006641. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGATCACCTGGGCGTGCAGTCGCGGTGACGGGGGAGGGCCGCCCGGCGAGTGGACTCGTGATCCTG
GGCCGACGCTGGGGTGTGCAGCCATCTATTCTGTGAATGTGCCAACACTAAGCTGTCTCGAGCCAAG
CTGTGAAAACCTAGACGCACCCGACGGGAGGGTGGGAGAGCTGGCAGGCCAGGGCTTGTCTGCTG
ACCCAGCAGACCCTCTGTTGGTTCAGCGAAGACCACAGGCATTCTTAGGGTCCAGGGTCCAGCAGG
CTCCGGGCTCACATGTGTAAGGACAGGACATTTCTGCAGTGCCTGCCAATAGCGAGCTTGGAGCCTGG
AGGCCGGCTTAGTTCTTCCATTTACCCTTGCAGCCAGCTGTTGGCCACGGCCCTGCCCTCTGGTCTG
CCGTGCATCTCCCTGTGCCCTCTTGTGCTGCCTGTCTGCTGAGGTAAGGTGGGAGGAGGGCTACAGC
CCACATCCACCCCTCGTCCAATCCATAATCCATGATGAAAGGTGAGGTACGTCGGCCTCCAGGCC
TGACTTCCAACCTACAGCATTGACGCCAACTGGCTGTGAAGGAAGAGGAAAGGATCTGGCCTTGTGG
TCACTGGCATCTGAGCCCTGCTGATGGCTGGGGCTCTCGGCATGCTTGGGAGTGACAGGGGGCTCGGGC
TGCTGGCCTGGCTGCACAGAAGGCAAGTCTGGGGCTCATGGTGTCTGAGCTGGCCTGGACCCTGTC
AGGATGGGCCCACTCAGAACCAACTCACTGTCCCACTGTGGCATGAGGGCAGTGGAGCACCATGT
TTGAGGGCGAAGGGCAGAGCGTTTGTGTGTTCTGGGGAGGGAAGGAAAAGGTGTTGGAGGCCTTAATTA
TGGACTGTTGGGAAAAGGGTTTTGTCCAGAAGGACAAGCCGGACAATGAGCGACTTCTGTGCTCCAG
AGGAAGACGAGGGAGCAGGAGCTTGGCTGACTGCTCAGAGTCTGTTCTGACGCCCTGGGGGTTCCCTGC
CAACCCAGCAGGGGCGCAGCGGACGCCCACTTCCACTTGTGCTACTGCTTGGAACCTATTTAT
TTTGATTTATTTGAACAGAGTTATGTCCTAACTATTTTATAGATTTGTTTAATTAATAGCTTGTGCAT
TTTCAAGTTCATTTTTATTTCATATTTATGTTTCATGGTTGATTGTACCTCCCAAGCCCGCCAGTGGG
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CTTGAAGTGGAATCCAGTTATTTCTGCGCTGCGAGGGTTTCTTTATTTCACTTTTTCTGAATGTCA
AGGCAGTGAGGTGCTCTACTGTGAATTTGTGGTGGGCGGGGCTGGAGGAGAGGGTGGGGACTGGC
TCCGTCCCTCCAGCCTTCTGCTGCCCTTGCTTAAACAATGCCGGCCAAGTGGCGACCTCACGGTTGCAC
TTCCATTCACACAGAATGACCTGATGAGGAAATCTTCAATAGGATGCAAAGATCAATGCAAAAATTGTT
ATATATGAACATATAACTGGAGTCGTCAAAAAGCAAATTAAGAAAAGAAATTGGACGTTAGAAGTTGCAT
TAAAGCAGCCTTCTAATAAAGTTGTTTCAAAGCTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001006641.4](#)

**Summary:**

The protein encoded by this gene belongs to the family of calcium-binding mitochondrial carriers, with a characteristic mitochondrial carrier domain at the C-terminus. These proteins are found in the inner membranes of mitochondria, and function as transport proteins. They shuttle metabolites, nucleotides and cofactors through the mitochondrial membrane and thereby connect and/or regulate cytoplasm and matrix functions. This protein may function as an ATP-Mg/Pi carrier that mediates the transport of Mg-ATP in exchange for phosphate, and likely responsible for the net uptake or efflux of adenine nucleotides into or from the mitochondria. Alternatively spliced transcript variants encoding different isoforms with a common C-terminus but variable N-termini have been described for this gene. [provided by RefSeq, Jul 2012]

**Locus ID:**

114789

**MW:**

66.9