

Product datasheet for **SC334796**

SLC25A45 (NM_001278251) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A45 (NM_001278251) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A45
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278251, the custom clone sequence may differ by one or more nucleotides

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ATGGTCAAGATTTACGCCATGAGTCCCTCCTGGGCTTCTTCAAGGGAATGAGCTTCCCCATTGCCAGCA
TAGCTGTGGTCAACTCTGTCCTGTTGGGGTCTATAGCAACACCCCTGCTGGTGCTCACGGCCACCTCCCA
CCAGGAGCGGGCGGGCCAGCCGCCAGCTACATGCACATCTTCTAGCGGGCTGCACCGGGGGTTCCTG
CAGGCCTACTGTCTGGCTCCTTTTGACCTCATCAAAGTCCGGCTACAAAACCAGACAGCCAAGGGCCC
AGCCAGGGAGCCCCCACCCTGGTACCAGGGGCCCGTGCACTGTGCAGCCTCCATCTTCCGGGAGGAGGG
GCCCCGGGGGCTGTTCCGAGGAGCCTGGGCCCTGACGCTGAGGGACACCCACCGGTGGGGATCTACTTC
ATCACCTATGAAGGGCTCTGTCGCCAGTACACACCAGAAGGCCAGAATCCCAGCTCAGCCACGGTCTGG
TGGCAGGGGGCTTTCAGGCATTGCTTCTGGGTGGCAGCCACGCCCTTAGACGTGATCAAGTCCCAGGAT
GCAGATGGATGGACTGAGACGCAGAGTGTACCAGGGGATGCTGGACTGCATGGTGAGCAGCATCCGGCAG
GAAGGACTGGGAGTCTTCTTCCGGGGGGTACCATCAACAGTGCCCGGCCTTCCCGTCAATGCTGTCA
CCTTCTCAGCTACGAATATCTCTCCGCTGGTGGGGATGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001278251
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).



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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_001278251.2](#), [NP_001265180.2](#)

RefSeq Size: 3109 bp

RefSeq ORF: 741 bp

Locus ID: 283130

UniProt ID: [Q8N413](#)

Cytogenetics: 11q13.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: SLC25A45 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (4) differs in the 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The resulting isoform (b) has a shorter N-terminus, compared to isoform a. Variants 2, 4, and 7 all encode the same isoform (b).