

Product datasheet for **SC334918**

SLC25A45 (NM_001278250) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A45 (NM_001278250) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278250, the custom clone sequence may differ by one or more nucleotides

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ATGCCGGTGGAGGAATTTGTGGCTGGCTGGATCTCTGGCGCTCTGGGCTTGGTCCTGGGACACCCGTTTG
ACACTGTAAGACTCCTGGGCTTCTTCAAGGGAATGAGCTTCCCCATTGCCAGCATAGCTGTGGTCAACTC
TGTCTGTTTGGGGTCTATAGCAACACCCTGCTGGTGCTCACGGCCACCTCCCACCAGGAGCGGGCGGGCC
CAGCCGCCAGCTACATGCACATCTTCTAGCGGGCTGCACCGGGGGTTCCTGCAGGCCTACTGTCTGG
CTCCTTTTACCTCATCAAAGTCCGGCTACAAAACCAGACAGAGCCAAGGGCCCAGCCAGGGAGCCCCC
ACCCCGGTACCAGGGGCCGTGACTGTGACGCTCCATCTTCCGGGAGGAGGGGCCCGGGGGCTGTTC
CGAGGAGCTGGGCCCTGACGCTGAGGGACACCCACGGTGGGGATCTACTTCATCACCTATGAAGGGC
TCTGTCCGAGTACACACCAGAAGGCCAGAATCCAGCTCAGCCACGGTGTGGTGGCAGGGGGCTTTGC
AGGCATTGCTTCTGGGTGGCAGCCACGCCCTTAGACGTGATCAAGTCCCGGATGCAGATGGATGGACTG
AGACGCAGAGTGTACCAGGGGATGCTGGACTGCATGGTGAGCAGCATCCGGCAGGAAGGACTGGGAGTCT
TCTTCCGGGGGTACCATCAACAGTGCCCGCCCTTTCCCGTCAATGCTGCACCTTCTCAGCTACGA
ATATCTCTCCGCTGGTGGGATGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001278250
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: [NM_001278250.2](#), [NP_001265179.2](#)

RefSeq Size: 2463 bp

RefSeq ORF: 795 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 (3) differs in the 5' UTR and also lacks an in-frame coding exon, compared to variant 1. The resulting isoform (c) lacks an internal segment, compared to isoform a.