

Product datasheet for **SC315497**

SLC25A45 (NM_001077241) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC25A45 (NM_001077241) 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: >SC315497 representing NM_001077241.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

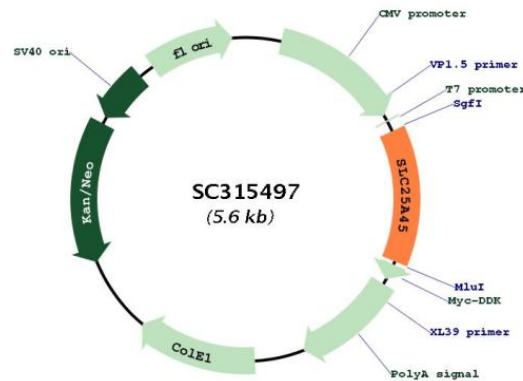
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCAAGATTTACCGCATGAGTCCCTCCTGGGCTTCTCAAGGGAATGAGCTTCCCCATTGCCAGC
ATAGCTGTGGTCAACTCTGTCCTGTTGGGGTCTATAGCAACACCCTGCTGGTGCACGGCCACCTCC
CACCAGGAGCGGGCGGCCAGCCGCCAGCTACATGCACATCTTCTAGCGGGCTGCACCGGGGGTTTC
CTGCAGGCCTACTGTCTGGCTCCTTTTACCTCATCAAAGTCCGGCTACAAAACCAGACAGACCAAGG
GCCCAGCCAGGGAGCCCCACCCCGGTACCAGGGGCCGCTGACTGTGCAGCCTCCATCTCCGGGAG
GAGGGGCCCGGGGGCTTCCGAGGAGCCTGGGCCCTGACGCTGAGGGACACCCACGGTGGGGATC
TACTTCATCACCTATGAAGGGCTCTGTCGCCAGTACACACCAGAAGGCCAGAATCCAGCTCAGCCAGC
GTGCTGGTGGCAGGGGGCTTTCAGGCATTGCTTCTGGGTGGCAGCCACGCCCTTAGACGTGATCAAG
TCCCGGATGCAGATGGATGGACTGAGACGCAGAGTGTACCAGGGGATGCTGGACTGCATGGTGAGCAGC
ATCCGGCAGGAAGGACTGGGAGTCTTCTCCGGGGGTACCATCAACAGTGCCCGCCTTTCCCGTC
AATGCTGTACCTTCTCAGCTACGAATATCTCCTCCGCTGGTGGGGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001077241

Insert Size: 741 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).

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.
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_001077241.2
RefSeq Size:	2252 bp
RefSeq ORF:	741 bp
Locus ID:	283130
UniProt ID:	Q8N413
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Transmembrane
MW:	27.3 kDa
Gene Summary:	<p>SLC25A45 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) lacks an internal exon in the 5' region which causes translation initiation 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).</p>