

Product datasheet for **SC301498**

SLC25A30 (NM_001010875) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A30 (NM_001010875) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A30
Synonyms:	KMCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301498 representing NM_001010875. Blue=Insert sequence Red=Cloning site Green=Tag(s)

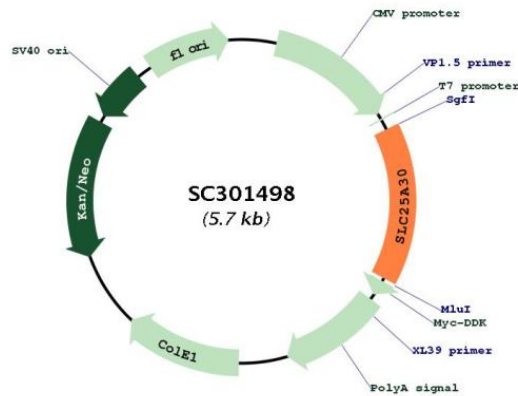
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TCGGGGATTGCCCGCGATGTTACGCCAGGCATCCTATGGCACCATCAAGATAGGCACTTACCAGAGC
TTGAAGCGACTATTCATTGAACGCCCAGAAGATGAAACTCTACCGATAAATGTGATATGTGAATTCTG
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AACACCATTCAAGGAGGAATGATAGGCAACTTCATGAACATTTACCAGCAAGAGGGGACAAGAGGACTG
TGAAGGGTGTGTCCCTTACTGCCAGAGGGCTGCTATTGTTGTTGGTGTGGAGCTGCCGGTCTATGAC
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TTCACCTGTGGTCTGGCAGGGGCCCTGGCTCAAACCCTGTTGATGTTGTGAGGACACGTATGATGAAT
CAGAGAGTGCTTCGAGATGGCAGATGTTCTGGCTACACAGGAACCCTGGATTGCTTGTACAGACATGG
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ATCATTTTTCTTTGTGACATACGAGCAGTTGAAGAAATTTGGATTTGTGA
ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001010875

Insert Size: 876 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_001010875.3](#)

RefSeq Size: 3745 bp

RefSeq ORF: 876 bp

Locus ID: 253512

UniProt ID: [Q5SVS4](#)

Cytogenetics: 13q14.13

MW: 32.5 kDa

Gene Summary: Although the outer mitochondrial membrane is permeable to many small metabolites, transport of solutes across the inner mitochondrial membrane is achieved by members of the mitochondrial carrier protein family, such as SLC25A30 (Haguenauer et al., 2005 [PubMed 15809292]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.