

## Product datasheet for RC203744

### SLC25A40 (NM\_018843) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A40 (NM_018843) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC25A40
Synonyms:	MCFP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203744 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCCTGAGACAAGGGGACAAGAGATTATCAAAGTGACACCTCTTCAACAAATGCTTGCCTCATGTA  
CTGGAGCTATACTGACATCAGTAATAGTGACACCCCTGGATGTTGTTAAAATTAGACTCCAAGCCCAAAA  
CAACCCACTCCCCAAAGGAAAAATGTTTTGTATATAGTAATGGACTCATGGATCATCTATGTGTCTGTGAA  
GAGGGAGGCAACAACTATGGTATAAGAAGCCAGGAAATTTCCAGGGAACATTGGATGCATTTTTAAAA  
TCATTCGAAATGAGGGCATTAAATCTCTATGGAGTGGCCTTCTCTACCCTAGTGATGGCAGTTCTCTGC  
CACAGTTATTTATTTACCTGCTATGATCAATTAAGTGCTCTTCTGAGATCTAAGTTAGGAGAAAAATGAA  
ACCTGCATACCAATTGTTGCTGGAATTGTAGCCAGATTTGGTGCAGTAACCTGTGATAAGTCCACTAGAAT  
TGATTAGAACCAAGATGCAGTCCAAGAAGTTTTCTTACGTGGAAGTGCATCGATTTGTCAGCAAGAAAGT  
ATCTGAAGATGGTTGGATTTCCCTTTGGAGGGGCTGGGCTCCTACTGTTCTTAGAGATGTACCTTTCTCA  
GCAATGTACTGGTATAACTATGAAATTTAAAGAAGTGGTTATGTGAGAAATCTGGTTTATATGAGCCAA  
CATTTATGATCAACTTTACTTCAGGGGCATTGTCTGGTTCTTTGCTGCTGTTGCAACTTTACCATTTGA  
TGTAAGTAAAAACAAAAAGCAGACACAACCTTTGGACATATGAAAGTCATAAAATTTCTATGCCTTTGCAT  
ATGTCAACCTGGATTATAATGAAGAACATTGTTGCTAAAAATGGATTTTCCGGATTATTTTCAGGCCTAA  
TTCTCGCTTAATTTAAAATTGCTCTGCTTGTGCCATTATGATCAGTACATATGAATTTGGAAAGGCTTT  
TTCCAGAAACAAAATGTTTCAAGGCAGCAATAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC203744 protein sequence  
 Red=Cloning site Green=Tags(s)

MDPETRGQEIIKVTPLQQMLASCTGAILTSVIVTPLDVVKIRLQAQNNPLPKGKCFVYSNGLMDHLCVCE  
 EGGNKLWYKKPGNFQGTLDAFFKIIRNEGIKSLWSGLPPTLVMAVPATVIYFTCYDQLSALLRSKLGENE  
 TCIPIVAGIVARFGAVTVISPLELIRTKMQSKKFSYVELHRFVSKKVSDEGWISLWRGWAPTIVLRDVPFS  
 AMYWYNYEILKKWLCEKSGLYEPTFMINF TSGALSGSFAAVATLPFDVVK TQKQTQLWTYESHKISMP LH  
 MSTWIIIMKNIVAKNGFSGLF SGLIPRLIKIAPACAIMISTYEF GKAF FQKQNVRRQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6324\\_g06.zip](https://cdn.origene.com/chromatograms/mk6324_g06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018843

**ORF Size:** 1014 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_018843.4](#)

**RefSeq Size:** 3152 bp

**RefSeq ORF:** 1017 bp

**Locus ID:** 55972

**UniProt ID:** [Q8TBP6](#)

**Cytogenetics:** 7q21.12

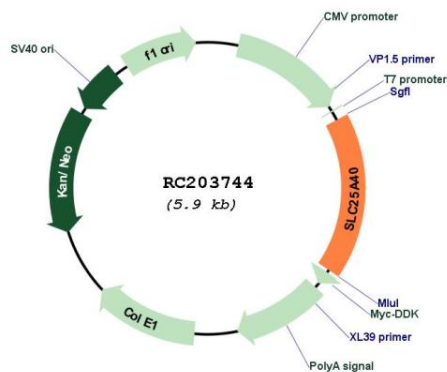
**Domains:** mito\_carr

**Protein Families:** Druggable Genome

**MW:** 38.1 kDa

**Gene Summary:** SLC25A40 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]

### Product images:



Circular map for RC203744