

Product datasheet for **RG203744**

SLC25A40 (NM_018843) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC25A40
Synonyms:	MCFP
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203744 representing NM_018843
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCCTGAGACAAGGGGACAAGAGATTATCAAAGTGACACCTCTTCAACAAATGCTTGCCTCATGTA
CTGGAGCTATACTGACATCAGTAATAGTGACACCCCTGGATGTTGTTAAAATTAGACTCCAAGCCCAAAA
CAACCCACTCCCCAAAGGAAAATGTTTGTATATAGTAATGGACTCATGGATCATCTATGTGTCTGTGAA
GAGGGAGGCAACAACTATGGTATAAGAAGCCAGGAAATTTCCAGGGAACATTGGATGCATTTTTTAAAA
TCATTCGAAATGAGGGCATTAAATCTCTATGGAGTGGCCTTCTCCTACCCTAGTGATGGCAGTTCTCTGC
CACAGTTATTTATTTTACCTGCTATGATCAATTAAGTGCTCTTCTGAGATCTAAGTTAGGAGAAAAATGAA
ACCTGCATACCAATTGTTGCTGGAATTGTAGCCAGATTTGGTGCAGTAAGTGTGATAAGTCCACTAGAAT
TGATTAGAACCAAGATGCAGTCCAAGAAGTTTTCTTACGTGGAAGTGCATCGATTTGTCAGCAAGAAAGT
ATCTGAAGATGGTTGGATTTCCCTTTGGAGGGGCTGGGCTCCTACTGTTCTTAGAGATGTACCTTTCTCA
GCAATGTACTGGTATACTATGAAATTTTAAAGAAGTGTTATGTGAGAAATCTGGTTTATATGAGCCAA
CATTTATGATCACTTTACTTCAGGGGCATTGTCTGTTCTTTTGTCTGTTGCAACTTTACCATTTGA
TGTAGTAAAAACAAAAAGCAGACACAACCTTTGGACATATGAAAGTCATAAAATTTCTATGCCTTTGCAT
ATGTCAACCTGGATTATAATGAAGAACATTGTTGCTAAAAATGGATTTTCCGGATTATTTTCAGGCCTAA
TTCTCTCGTTAATTAATTAATGCTCCTGCTGTGCCATTATGATCAGTACATATGAATTTGAAAGGCTTT
TTTCAGAAACAAATGTTCAAGGCAGCAATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG203744 representing NM_018843
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MDPETRGQEIIKVTPQQMLASCTGAILTSVIVTPLDVVKIRLQAQNNPLPKGKCFVYSNGLMDHLCVCE
EGGNKLWYKKPGNFQGTLDAFFKIIIRNEGKSLWSGLPPTLVMAVPATVIYFTCYDQLSALLRSKLGENE
TCIPIVAGIVARFGAVTVISPLELIRTKMQSKKFSYVELHRFVSKKVSSEDGWISLWRGWAPTIVLRDVPFS
AMYWYNYEILKKWLCEKSGLYEPTFMINFSGALSGSFAAVATLPFDVVKTKQQTQLWTYESHKISIMPLH
MSTWIIMKNIVAKNGFSGLSGLIPRLIKIAPACAIMISTYEFGKAFFQKQNVRRQQY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018843

ORF Size: 1014 bp

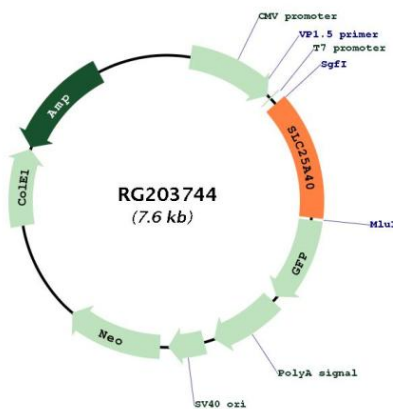
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018843.4
RefSeq Size:	1515 bp
RefSeq ORF:	1017 bp
Locus ID:	55972
UniProt ID:	Q8TBP6
Cytogenetics:	7q21.12
Domains:	mito_carr
Protein Families:	Druggable Genome
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 RG203744