

Product datasheet for **RC237442**

SLC25A44 (NM_001286184) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC25A44 (NM_001286184) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SLC25A44
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237442 representing NM_001286184
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGACAAACGCAACATCCAGATCATCGAGTGGGAACACCTGGACAAGAAGAAGTTCTACGTGTTTGG
GTGTGGCAATGACAATGATGATCCGTGTCAGTGTCTACCCATTCACCCTCATCCGACCCGGTTGCAAGT
TCAGAAGGGGAAGAGCCTCTACCATGGGACCTTCGATGCCTTCATCAAGATCCTGCGAGCAGATGGTATC
ACTGGCCTCTACCGAGGGTTCTGGTCAATACCTTCACCCTCATCTCGCCAGTGTATGTCACCACTT
ATGAGCTCACCCGGAAGTTTGTAGCTGACTACAGCCAGAGTAACACAGTCAAATCACTGGTGGCTGGTGG
CTCAGCCTCCCTTGTGGCCAGAGCATCACAGTGCCCATTTGATGTAGTCTCCAGCACCTGATGATGCAA
CGCAAGGGTGAGAAAATGGGCCGCTTTCAGGTGCGGGGAACCCAGAGGGACAAGGGGTAGTTGCCTTTG
GCCAAACCAAGGACATCATCAGGCAGATCCTGCAGGCTGATGGACTTCGCGGCTTCTATCGAGGCTATGT
GGCTTCACTGCTTACCTATATCCAAACAGTGTGTCTGGTGGCCCTTCTACCTTCTATGCAGCCATT
GTCTTTCCCTGGATTCCAGAGCAGCTCTCCTACCTGTGCCTAAGGAGTGCCTCACATTGTCTTTCAAG
CTGTCTCGGGGCCCTGGCTGCAGCCACTGCCTCCATCCTCACCAATCCCATGGATGTCATACGAACCCG
TGTGCAGTTGAGGGCAAGAACTCCATCATCTGACCTTCAGACAGCTGATGGCAGAAGAAGGGCCTTGG
GGCCTCATGAAGGGCCTCTCGGCCAGAATCATCTCAGCCACACCTTCACCATTGTCATTGTGGTGGCT
ATGAGAGCCTCAAGAACTCAGCCTCCGACCTGAGCTGGTGGACTCGAGACACTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237442 representing NM_001286184
 Red=Cloning site Green=Tags(s)

MEDKRNIQIIEWEHLDKKKFYVFGVAMTMMIRVSVYPFTLIRTRLQVQKGSLYHGTFDAFIKILRADGI
 TGLYRGLVNTFTLISGQCYVTTYELTRKFVADYSQSNTVKS LVAGGSASLVAQSITVPI DVVVSQHLMMQ
 RKGEKMGRFQVRGNPEGQGVVAFGQTKDII RQILQADGLRGFYRGYVASLLTYIPNSAVWWPFYHFYAAI
 VFPWIPEQLSYLCPKECPHIVFQAVSGPLAAATASILTNPMDVIRTRVQVEGKNSIIL TFRQLMAEEGPW
 GLMKGLSARIISATPSTIVVVGYESLKKLSLRPELVDSRHW

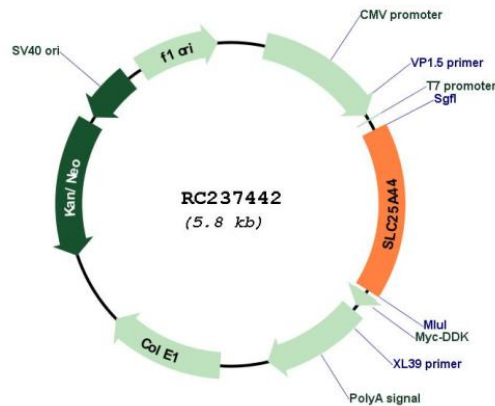
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286184

ORF Size:	966 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:	<ol style="list-style-type: none">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_001286184.2
RefSeq Size:	3684 bp
RefSeq ORF:	969 bp
Locus ID:	9673
UniProt ID:	Q96H78
Cytogenetics:	1q22
Protein Families:	Druggable Genome, Transmembrane
MW:	36.8 kDa
Gene Summary:	SLC25A44 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]