

## Product datasheet for **RG237442**

### **SLC25A44 (NM\_001286184) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A44 (NM_001286184) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC25A44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237442 representing NM_001286184. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGACAAACGCAACATCCAGATCATCGAGTGGGAACACCTGGACAAGAAGAAGTTCTACGTGTTT
GGTGTGGCAATGACAATGATGATCCGTGTCAGTGTCTACCCATTCACCCTCATCCGCACCCGGTTGCAA
GTTCAGAAGGGGAAGAGCCTCTACCATGGGACCTTCGATGCCTTCATCAAGATCCTGCGAGCAGATGGT
ATCACTGGCCTCTACCGAGGGTTCCTGGTCAATACCTTCACCCTCATCTCTGGCCAGTGTATGTCAAC
ACTTATGAGCTCACCCGGAAGTTTGTAGCTGACTACAGCCAGAGTAACACAGTCAAATCACTGGTGGT
GGTGGCTCAGCCTCCCTTGTGGCCAGAGCATCACAGTGCCCATTGATGTAGTCTCCAGCACCTGATG
ATGCAACGCAAGGGTGAGAAAATGGGCCGCTTTCAGGTGCGGGGAACCCAGAGGGACAAGGGGTAGTT
GCCTTTGGCCAAACCAAGGACATCATCAGGCAGATCCTGCAGGCTGATGGACTTCGCGGCTTCTATCGA
GGCTATGTGGCTTCACTGCTTACCTATATCCCAAACAGTGTCTGGTGGCCCTTCTATCACTTCTAT
GCAGCCATTGTCTTCCCTGGATTCCAGAGCAGCTCTCTACCTGTGCTTAAGGAGTGCCTCACATT
GTCTTTCAAGCTGTCTCGGGCCCTGGCTGCAGCCACTGCCTCCATCCTCACCAATCCCATGGATGTC
ATACGAACCCGTGTGCAGGTTGAGGGCAAGAACTCCATCATCCTGACCTTCAGACAGCTGATGGCAGAA
GAAGGGCCTTGGGCCTCATGAAGGCCTCTCGGCCAGAATCATCTCAGCCACACCTTCCACCATTGTC
ATTGTGGTGGCTATGAGAGCCTCAAGAACTCAGCCTCCGACCTGAGCTGGTGGACTCGAGACACTGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



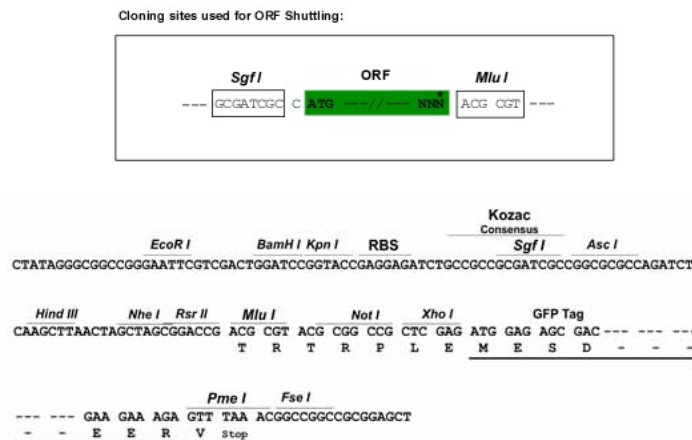
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237442  
 Blue=ORF Red=Cloning site Green=Tag(s)

MEDKRNIIQIIEWEHLDKKKFYVFGVAMTMMIRVSVYPFTLIRTRLQVQKGSLYHGTFDAFIKILRADG  
 ITGLYRGFLVNTFTLISGQCYYTTYELTRKFVADYSQSNTVKSLVAGGSASLVAQSITVPIDVVSQHLM  
 MQRKGEKMGRFQVRGNPEGQGVVAFGQTKDIIRQILQADGLRGFYRGYVASLLTYIPNSAVWPFYHFY  
 AAIVFPWIPEQLSYLCPKECPHIVFQAVSGPLAAATASILNPMDEVIRTRVQVEGKNSIILTFRQLMAE  
 EGPWGLMKGLSARIISATPSTIVIVVGYESLKKLSLRPELVDSRHW  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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.

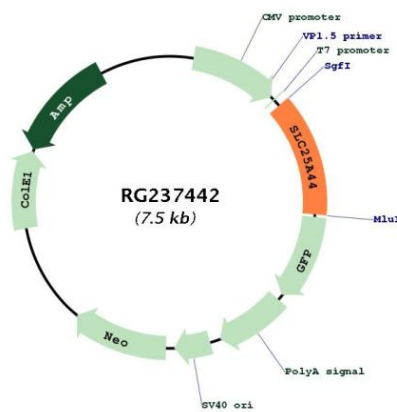
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001286184.2](#)

**RefSeq Size:** 3684 bp

RefSeq ORF:	969 bp
Locus ID:	9673
UniProt ID:	<u>Q96H78</u>
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]

**Product images:**



Circular map for RG237442