

## Product datasheet for **RG200768**

### SLC25A11 (NM\_003562) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A11 (NM_003562) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC25A11
Synonyms:	OGC; PGL6; SLC20A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200768 representing NM_003562 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCACGGCGAGTGCCGGGGCCGGCGGATAGACGGGAAGCCCCGTACCTCCCCTAAGTCCGTCA  
AGTTCCTGTTTGGGGCCTGGCCGGATGGGAGCTACAGTTTTGTCCAGCCCCTGGACCTGGTGAAGAA  
CCGGATGCAGTTGAGCGGGGAAGGGCCAAGACTCGAGAGTACAAAACCAGCTTCCATGCCCTCACCAGT  
ATCCTGAAGGCAGAAGGCCTGAGGGCATTACACTGGGCTGTCGGCTGGCCTGTCGCTCAGGCCACCT  
ACACCACTACCCGCTTGGCATCTATACCGTGCTTTGAGCGCCTGACTGGGGCTGATGGTACTCCCC  
TGGCTTCTGCTGAAGGCTGTGATTGGCATGACCGCAGGTGCCACTGGTGCCTTTGTGGGAACACCAGCC  
GAAGTGGCTCTTATCCGCATGACTGCCGATGGCCGGCTTCCAGCTGACCAGCGCCGTGGTACAAAAATG  
TGTTTAAACGCCCTGATTCGAATCACCCGGGAAGAGGGTGTCTCACACTGTGGCGGGCTGCATCCCTAC  
CATGGCTCGGGCCGTCGTCGTAATGCTGCCAGCTCGCTCCTACTCCCAATCCAAGCAGTTCTTACTG  
GACTCAGGCTACTTCTCTGACAACATCTGTGCCACTTCTGTGCCAGCATGATCAGCGGTCTTGTACCA  
CTGCTGCCTCCATGCCTGTGGACATTGCCAAGACCCGAATCCAGAACATGCGGATGATTGATGGGAAGCC  
GGAATAACAAGAACGGGCTGGACGTGCTGTTCAAAGTTGTCGCTACGAGGGCTTCTCAGCCTGTGAAG  
GGCTTACGCGCTACTATGCCCGCTGGGCCCCACACCGTCTCACCTCATCTTCTGGAGCAGATGA  
ACAAGGCTACAAGCGTCTCTTCTCAGTGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG200768 representing NM\_003562  
 Red=Cloning site Green=Tags(s)

MAATASAGAGGIDGKPRTPSPKSVKFLFGGLAGMGATVFVQPLDLVKNRMQLSGEGAKTREYKTSFHALTS  
 ILKAEGLRGIYTGLSAGLLRQATYTTTTLGIYTVL FERL TGADGTPPGFLLKAVIGMTAGATGAFVGT  
 PA EVALIRMTADGRLPADQRRGYKNVFNALIRITREEEVLTLWRGCIPTMARAVVVNAAQLASYSQSKQFLL  
 DSGYFSDNILCHFACSMISGLVTTAASMPVDIAKTRIQNMRMIDGKPEYKNGLDVLFKVVRYEGFFSLWK  
 GFTPPYARLGPHTVLTFFIFLEQMNKAYKRLFLSG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003562

**ORF Size:** 942 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\\_003562.5](#)

**RefSeq Size:** 1561 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 8402

**UniProt ID:** [Q02978](#)

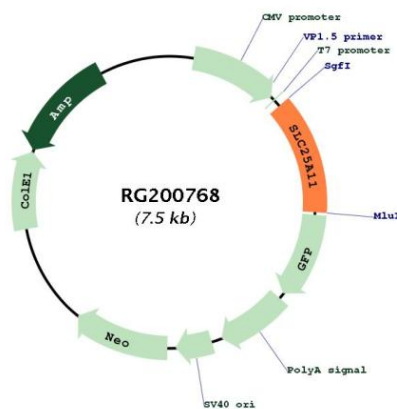
**Cytogenetics:** 17p13.2

**Domains:** mito\_carr

**Protein Families:** Druggable Genome

**Gene Summary:** The oxoglutarate/malate carrier transports 2-oxoglutarate across the inner membranes of mitochondria in an electroneutral exchange for malate or other dicarboxylic acids (summary by Iacobazzi et al., 1992 [PubMed 1457818]). [supplied by OMIM, Jan 2011]

## Product images:



Circular map for RG200768