

## Product datasheet for **RC200768**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A11 (NM_003562) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC25A11
Synonyms:	OGC; PGL6; SLC20A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200768 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCACGGCGAGTGCCGGGGCCGGCGGATAGACGGGAAGCCCCGTACCTCCCCTAAGTCCGTCA  
AGTTCCTGTTTGGGGCCTGGCCGGATGGGAGCTACAGTTTTTGTCCAGCCCCTGGACCTGGTGAAGAA  
CCGGATGCAGTTGAGCGGGGAAGGGCCAAGACTCGAGAGTACAAAACCAGCTTCCATGCCCTCACCAGT  
ATCCTGAAGGCAGAAGGCCTGAGGGCATTACACTGGGCTGTCGGCTGGCCTGTCGCTCAGGCCACCT  
ACACCACTACCCGCTTGGCATCTATACCGTGTGTTTGAGCGCCTGACTGGGGCTGATGGTACTCCCC  
TGGCTTCTGCTGAAGGCTGTGATTGGCATGACCGCAGGTGCCACTGGTGCCTTTGTGGGAACACCAGCC  
GAAGTGGCTCTTATCCGCATGACTGCCGATGGCCGGCTTCCAGCTGACCAGCGCCGTGGTACAAAAATG  
TGTTTAAACGCCCTGATTCGAATCACCCGGGAAGAGGGTGTCTCACACTGTGGCGGGCTGCATCCCTAC  
CATGGCTCGGGCCGTCGTCGTAATGCTGCCAGCTCGCTCCTACTCCCAATCCAAGCAGTTCTTACTG  
GACTCAGGCTACTTCTGACAACATCTGTGCCACTTCTGTGCCAGCATGATCAGCGGTCTTGTACCA  
CTGCTGCCTCCATGCCTGTGGACATTGCCAAGACCCGAATCCAGAACATGCGGATGATTGATGGGAAGCC  
GGAATAACAAGAACGGCTGGACGTGCTGTTCAAAGTTGTCGGCTACGAGGGCTTCTCAGCCTGTGAAG  
GGCTTACGCGCTACTATGCCCGCTGGGCCCCACACCGTCTCACCTCATCTTCTGGAGCAGATGA  
ACAAGGCTACAAGCGTCTCTTCTCAGTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC200768 protein sequence  
Red=Cloning site Green=Tags(s)

MAATASAGAGGIDGKPRTPSPKSVKFLFGGLAGMGATVFVQPLDLVKNRMQLSGEGAKTREYKTSFHALTS  
 ILKAEGLRGIYTGLSAGLLRQATYTTTTLRGIYTVL FERL TGADGTPPGFLLKAVIGMTAGATGAFVGT  
 PA EVALIRMTADGRLPADQRRGYKNVFNALIRITREEGVLTWRGCCIPTMARAVVVNAAQLASYSQSKQFLL  
 DSGYFSDNILCHFCASMISGLVTTAASMPVDIAKTRIQNMRMIDGKPEYKNGLDVLFKVVRYEGFFSLWK  
 GFTPYYARLGPHTVLTFFIFLEQMNKAYKRLFLSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6241\\_h07.zip](https://cdn.origene.com/chromatograms/mk6241_h07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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:** 1822 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 8402

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

**Cytogenetics:** 17p13.2

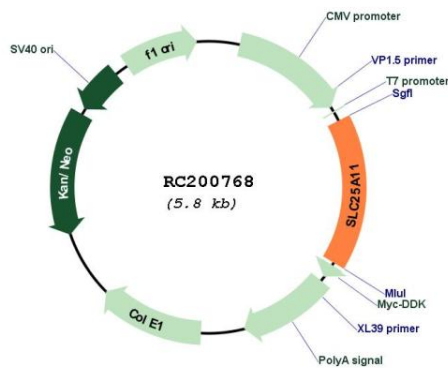
**Domains:** mito\_carr

**Protein Families:** Druggable Genome

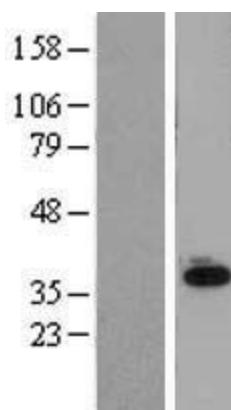
**MW:** 34.1 kDa

**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 RC200768



Western blot validation of overexpression lysate (Cat# [LY418603]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200768 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).