

Product datasheet for **RG228199**

SLC25A11 (NM_001165418) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A11 (NM_001165418) 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:	>RG228199 representing NM_001165418 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGACGGCGAGTGCCGGGGCCGGCGGATAGACGGGAAGCCCCGTACCTCCCCTAAGTCCGTCA
AGTTCCTGTTGGGGGCTGGCCGGCTGTCGGCTGGCTGCTGCGTCAGGCCACCTACCCACTACCCG
CCTTGGCATCTATACCGTCTGTTGAGCGCTGACTGGGGCTGATGGTACTCCCCTGGCTTTCTGCTG
AAGGCTGTGATTGCCATGACCGCAGGTGCCACTGGTGCCTTTGTGGGAACACCAGCCGAAGTGGCTCTTA
TCCGATGACTGCCGATGGCCGGCTTCCAGCTGACCAGCGCCGTGGCTACAAAAATGTGTTAACGCCCT
GATTCGAATCACCCGGGAAGAGGGTGTCCCTCACACTGTGGCGGGGCTGCATCCCTACCATGGCTCGGGCC
GTCGTCGTCATGCTGCCAGCTCGCCTCTACTCCCAATCCAAGCAGTCTTACTGGACTCAGGCTACT
TCTCTGACAACATCTTGTGCCACTTCTGTGCCAGCATGATCAGCGGTCTTGTCACTGCTGCCTCCAT
GCCTGTGGACATTGCCAAGACCCGAATCCAGAACATGCGGATGATTGATGGGAAGCCGGAATACAAGAAC
GGGCTGGACGTGCTGTTCAAAGTTGTCCGCTACGAGGGCTTCTTCAGCCTGTGGAAGGGCTTACGCCGT
ACTATGCCCGCTGGGCCCCACACCGTCTCACCTTCATCTTCTGGAGCAGATGAACAAGGCCTACAA
CGGTCTTCTCAGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG228199 representing NM_001165418
 Red=Cloning site Green=Tags(s)

MAATASAGAGGIDGKPRTPSPKSVKFLFGGLAGLSAGLLRQATYTTTTRLGIYTVLFERLTGADGTPPGFLL
 KAVIGMTAGATGAFVGTPAEVALIRMTADGRLPADQRRGYKNVFNALIRITREEGLVTLWRGCIPTMARA
 VVVNAAQLASYSQSKQFLLD SGYFSDNILCHF CASMISGLVTTAASMPVDIAKTRIQNM RMIDGKPEYKN
 GLDVLFLKVVRYEGFFSLWKGFTPYYARLGPHTVLTFFIFLEQMKNKAYKRLFLSG

TRTRPLE - GFP Tag - V

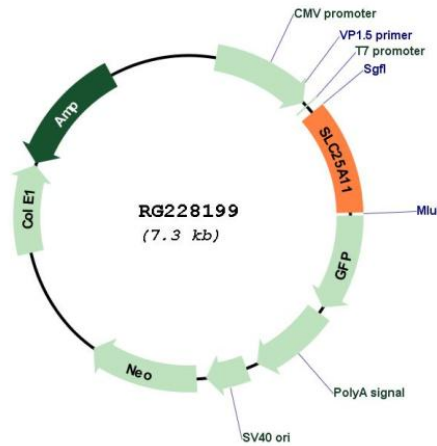
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001165418

ORF Size: 789 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_001165418.1 , NP_001158890.1
RefSeq Size:	1669 bp
RefSeq ORF:	792 bp
Locus ID:	8402
Cytogenetics:	17p13.2
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]