

Product datasheet for **RG228236**

SLC25A11 (NM_001165417) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC25A11 (NM_001165417) 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: >RG228236 representing NM_001165417
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCACGGCGAGTCCCGGGCCGGCGGATAGACGGGAAGCCCCGTACCTCCCCTAAGATGGGAG
CTACAGTTTTTGTCCAGCCCCTGGACCTGGTGAAGAACCAGGATGCAGTTGAGCGGGGAAGGGCCAAAGAC
TCGAGAGTACAAAACCAGCTTCCATGCCCTCACCAGTATCCTGAAGGCAGAAGGCCTGAGGGCATTAC
ACTGGGCTGTCGGCTGGCTGCTGCGTCAGGCCACCTACACCACTACCCGCCTTGGCATCTATACCGTGC
TGTTTGTAGCGCCTGACTGGGCTGATGGTACTCCCCTGGCTTTCTGCTGAAGGCTGTGATTGGCATGAC
CGCAGGTGCCACTGGTGCCTTTGTGGGAACACCAGCCGAAGTGGCTCTTATCCGCATGACTGCCGATGGC
CGGCTTCCAGCTGACCAGCGCCGTGGCTACAAAATGTGTTAAACGCCCTGATTCGAATCACCCGGGAAG
AGGGTGTCCCTCAGCTGTGGCGGGCTGCATCCCTACCATGGCTCGGGCCGTCGTCGTAATGCTGCCCA
GCTCGCCTCCTACTCCCAATCCAAGCAGTTCTTACTGGACTCAGGCTACTTCTCTGACAACATCTTGTGC
CACTTCTGTGCCAGCATGATCAGCGTCTTGTCAACACTGCTGCCTCCATGCCTGTGGACATTGCCAAGA
CCCGAATCCAGAACATGCGGATGATTGATGGGAAGCCGGAATACAAGAACGGGCTGGACGTGCTGTTCAA
AGTTGTCCGCTACGAGGGCTTCTCAGCCTGTGGAAGGGCTTACGCCGCTACTATGCCCGCTGGGCCCC
CACACCGTCCTCACCTTCATCTTCTGGAGCAGATGAACAAGCCCTACAAGCGTCTTCTCCTCAGTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228236 representing NM_001165417
 Red=Cloning site Green=Tags(s)

MAATASAGAGGIDGKPRTPSPKMGATVFVQPLDLVKNRMQLSGEGAKTREYKTSFHALTSILKAEGLRGIY
 TGLSAGLLRQATYTTTTLGIYTVLFRFLTADGTPPGFLLKAVIGMTAGATGAFVGTPAEVALIRMTADG
 RLPADQRRGYKNVFNALIRITREEEVLTLWRGCIPTMARAVVVNAAQLASYSQSKQFLLDSEGYFSDNILC
 HFCASMIISGLVTTAASMPVDIAKTRIQNMRMIDGKPEYKNGLDVLFKVVRYEGFFSLWKGFTPYYARLGP
 HTVLTFFIFLEQMKNKAYKRLFLSG

TRTRPLE - GFP Tag - V

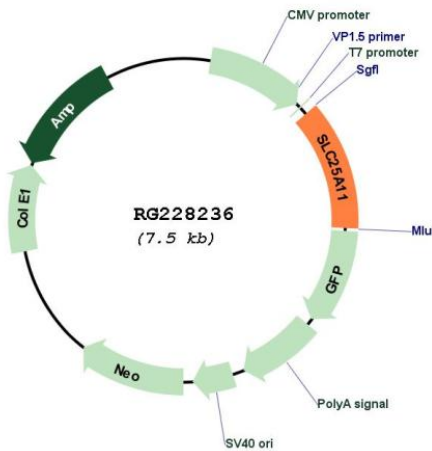
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001165417

ORF Size: 909 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_001165417.1 , NP_001158889.1
RefSeq Size:	1789 bp
RefSeq ORF:	912 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]