

Product datasheet for **RC228199**

SLC25A11 (NM_001165418) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLC25A11
Synonyms:	OGC; PGL6; SLC20A4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228199 representing NM_001165418
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGACGGCGAGTGCCGGGGCCGGCGGGATAGACGGGAAGCCCCGTACCTCCCCTAAGTCCGTCA
AGTTCCTGTTTGGGGGCTGGCCGGGCTGTGGCTGGCTGCTGCGTCAGGCCACCTACACCACTACCCG
CCTTGGCATCTATACCGTGTGTTTGGCGCTGACTGGGGCTGATGGTACTCCCCCTGGCTTTCTGCTG
AAGGCTGTGATTGGCATGACCGCAGGTGCCACTGGTGCCTTTGTGGGAACACCAGCCGAAGTGGCTCTTA
TCCGCATGACTGCCGATGGCCGGCTTCCAGCTGACCGCGCCGTGGCTACAAAAATGTGTTTAACGCCCT
GATTCGAATCACCCGGGAAGAGGGTGTCTCAGCTGTGGCGGGGCTGCATCCCTACCATGGCTCGGGCC
GTCGTCGTCATGCTGCCAGCTCGCTCCTACTCCCAATCCAAGCAGTTCTTACTGGACTCAGGCTACT
TCTCTGACAACATCTTGTGCCACTTCTGTGCCAGCATGATCAGCGGTCTTGTCACTGCTGCCTCCAT
GCCTGTGGACATTGCCAAGACCCGAATCCAGAACATGCGGATGATTGATGGGAAGCCGGAATACAAGAAC
GGGCTGGACGTGCTGTTCAAAGTTGTCCGCTACGAGGGCTTCTTACGCTGTGGAAGGGCTTACGCCGT
ACTATGCCCGCCTGGGCCCCACACCGTCTCACCTTCATCTTCTTGGAGCAGATGAACAAGGCCTACAA
GCGTCTCTTCCTCAGTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC228199 representing NM_001165418
Red=Cloning site Green=Tags(s)

MAATASAGAGGIDGKPRTPSKSVKFLFGGLAGLSAGLLRQATYTTTTLGIYTVLFEERLTGADGTPPGFLL
KAVIGMTAGATGAFVGTPEVALIRMTADGRLPADQRRGYKNVFNALIRITREEGLTLWRGCIPTMARA
VVVNAAQLASYSQSQKQFLDSGYFSDNILCHFCSMISGLVTTAASMPVDIAKTRIQNMRMIDGKPEYKN
GLDVLKVVRYEGFFSLWKGFTPPYARLGPHTVLTFIFLEOMNKAYKRFELSG

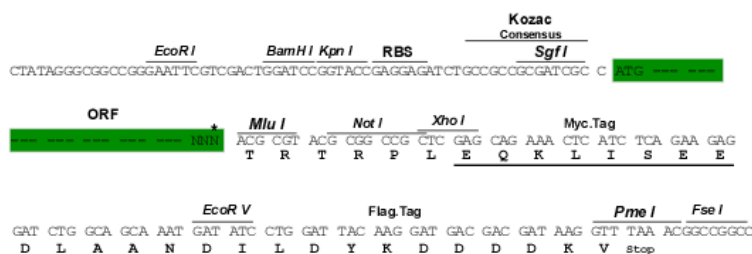
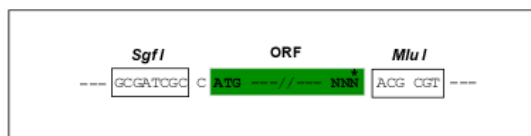
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1487_h06.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_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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001165418.1](#), [NP_001158890.1](#)

RefSeq ORF: 792 bp

Locus ID: 8402

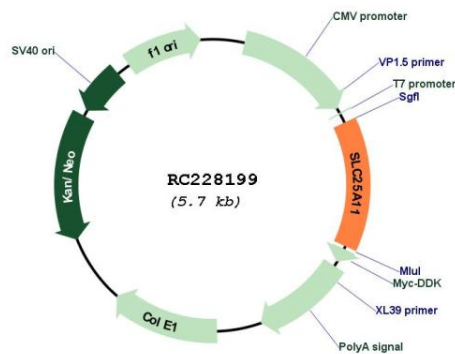
Cytogenetics: 17p13.2

Protein Families: Druggable Genome

MW: 28.3 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 RC228199