

Product datasheet for **SC326871**

SLC25A11 (NM_001165417) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A11 (NM_001165417) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A11
Synonyms:	OGC; PGL6; SLC20A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326871 representing NM_001165417. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGGCAGCGCGAGTGCCGGGGCCGGGGATAGACGGGAAGCCCCGTACCTCCCCTAAGATGGGA
GCTACAGTTTTTTGTCCAGCCCCTGGACCTGGTGAAGAACCGGATGCAGTTGAGCGGGGAAGGGGCCAAG
ACTCGAGAGTACAAAACAGCTTCCATGCCCTCACCAGTATCCTGAAGGCAGAAGCCTGAGGGGCATT
TACACTGGGCTGTCGGCTGGCTGCTGCGTCAGGCCACCTACCCACTACCCGCCTGGCATCTATACC
GTGCTGTTTGAGCGCCTGACTGGGGCTGATGGTACTCCCCCTGGCTTTCTGCTGAAGGCTGTGATTGGC
ATGACCGCAGGTGCCACTGGTGCCTTTGTGGGAACACCAGCCGAAGTGGCTCTTATCCGCATGACTGCC
GATGGCCGGCTTCCAGCTGACCAGCGCCGTGGCTACAAAATGTGTTAAACGCCCTGATTGGAATCACC
CGGAAGAGGGTGTCTCACACTGTGGCGGGCTGCATCCCTACCATGGCTCGGGCCGTCGTCGTAAT
GCTGCCAGCTCGCTCCTACTCCCAATCCAAGCAGTTCTTACTGGACTCAGGCTACTTCTGACAAC
ATCTTGTGCCACTTCTGTGCCAGCATGATCAGCGGTCTTGTCCACTGCTGCCTCCATGCCTGTGGAC
ATTGCCAAGACCCGAATCCAGAACATGCGGATGATTGATGGGAAGCCGAATACAAGAACGGGCTGGAC
GTGCTGTTCAAAGTTGTCCGCTACGAGGGCTTCTCAGCCTGTGGAAGGGCTTACGCCGCTACTATGCC
CGCCTGGGCCCCACACCGTCCTCACCTCATCTTCTTGGAGCAGATGAACAAGGCCTACAAGCGTCTC
TTCTCAGTGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001165417
Insert Size:	912 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001165417.1</u>
RefSeq Size:	1789 bp
RefSeq ORF:	912 bp
Locus ID:	8402
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome
MW:	33 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>