

Product datasheet for SC117897

SLC25A11 (NM_003562) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A11 (NM_003562) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A11
Synonyms:	OGC; PGL6; SLC20A4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117897 sequence for NM_003562 edited (data generated by NextGen Sequencing)

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ATGGCGGCGACGGCGAGTGCCGGGGCCGCGGGATAGACGGGAAGCCCCGTACCTCCCCT
AAGTCCGTCAAGTTCCTGTTTGGGGCCCTGGCCGGGATGGGAGCTACAGTTTTTGTCCAG
CCCCTGGACCTGGTGAAGAACCGGATGCAGTTGAGCGGGGAAGGGCCAAGACTCGAGAG
TACAAAACCAGCTTCCATGCCCTCACCAGTATCCTGAAGGCAGAAGGCCTGAGGGGCATT
TACACTGGGCTGTCGGCTGGCCTGCTGCGTCAGGCCACCTACACCACTACCCGCCTTGGC
ATCTATACCGTGCTGTTTGAAGCGCCTGACTGGGGCTGATGGTACTCCCCCTGGCTTTCTG
CTGAAGGCTGTGATTGGCATGACCGCAGGTGCCACTGGTGCTTTGTGGGAACACCAGCC
GAAGTGGCTCTTATCCGCATGACTGCCGATGGCCGGCTTCCAGCTGACCAGCGCCGTGGC
TACAAAAATGTGTTTAAAGCCCTGATTGGAATCAGCCGGAAGAGGGTGTCTCACACTG
TGGCGGGGCTGCATCCCTACCATGGCTCGGGCCGTCGTCGTCATGCTGCCAGCTCGCC
TCTACTCCCAATCCAAGCAGTTCTTACTGGACTCAGGCTACTTCTCTGACAACATCTTG
TGCCACTTCTGTGCCAGCATGATCAGCGGTCTTGTCAACTGCTGCCTCCATGCCTGTG
GACATTGCCAAGACCCGAATCCAGAATGCGGATGATTGATGGGAAGCCGGAATACAAG
AACGGGCTGGACGTGCTGTTCAAAGTTGTCGCTACGAGGGCTTCTTACGCTGTGGAAG
GGCTTACGCGCTACTATGCCCGCTGGGCCCCACACCGTCTCACCTCATCTTCTTG
GAGCAGATGAACAAGGCCTACAAGCGTCTTCTCCTCAGTGGCTGA

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Clone variation with respect to NM_003562.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003562 unedited AAGCCACAATTGTAACGACTTTACTATAGGCGGCCGCGAATTCGCACCAGCGCGCCCTC GCTCTGTTGCGCGCGCGGTGTCACCTTGGGCGCGAGCGGGGCCGCGCGCACGGGACCC GGAGCCGAGGGCCATTGAGTGGCGATGGCGGCGACGGCGAGTCCCGGGGCCGCGGGATA GACGGGAAGCCCCGTACCTCCCCAAGTCCGTCAAGTTCCTGTTTGGGGGCTGGCCGGG ATGGGAGCTACAGTTTTTGTCCAGCCCCGGACCTGGTGAAGAACCGGATGCAGTTGAGC GGGAAGGGGCCAAGACTCGAGAGTACAAAACAGCTTCCATGCCCTCACCAGTATCCTG AAGGCAGAAGGCCTGAGGGCATTACACTGGGCTGTCGGCTGGCCTGCTGCGTCAAGCC ACCTACACCACTACCCGCTTGGCATCTATACCGTGTGTTGAGCGCCTGACTGGGGCT GATGGTACTCCCCCTGGCTTTCTGCTGAAGGCTGTGATTGGCATGACCGCAGGTGCCACT GGTGCCTTTGTGGGAACACCAGCCGAAGTGGCTTTATCCGCATGACTGCCGATGGCCGG CTTCCAGCTGACCAGCGCGTGGCTACAAAAATGTGTTTAAACGCCCTGATTCGAATCACC CGGAAGAGGGTGTCTCACACTGTGGCGNGCTGCATCCCTACCATGGCTCGNGCCGTC GTCGTCATGCTGCCAGCTCGCCTCTACTCCCAATCCAAGCAGTTCTTACTGGACTCA GGCTACTTCTCTGACACATCTTGGCCACTTCTGTGCCAGCATGATCAGCGGTCTTGTCA CACTGCTGCCTCCATGCCTGTGGACATTGCCAGACCCCGATCCCAACATGCNGGTGA
Restriction Sites:	NotI-NotI
ACCN:	NM_003562
Insert Size:	1500 bp
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).
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_003562.3 , NP_003553.2
RefSeq Size:	1561 bp
RefSeq ORF:	945 bp
Locus ID:	8402
UniProt ID:	Q02978
Cytogenetics:	17p13.2
Domains:	mito_carr
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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).