

Product datasheet for **SC323732**

SLC25A6 (NM_001636) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A6 (NM_001636) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A6
Synonyms:	AAC3; ANT; ANT 2; ANT 3; ANT3; ANT3Y
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001636.1
 GCGGGCGCAGGGCTGAGCCAGCGACGCCCTCCATTCACTCTCCGCGCCCGTTCTCCGGC
 TGTCTCCCGTTCGCTGCCCGCCTGCCACCATGACGGAACAGGCCATCTCCTTCGCCA
 AAGACTTCTTGCCGGAGGCATCGCCGCCCATCTCCAAGACGGCCGTGGCTCCGATCG
 AGCGGGTCAAGCTGCTGCTGCAGGTCCAGCACGCCAGCAAGCAGATCGCCGCCGACAAGC
 AGTACAAGGGCATCGTGGACTGCATTGTCCGCATCCCCAAGGAGCAGGGCGTGTCTCT
 TCTGGAGGGCAACCTTGCCAACGTCATTGCTACTTCCCCACTCAAGCCCTCAACTTCG
 CCTTCAAGGATAAGTACAAGCAGATCTTCTGGGGGGCGTGGACAAGCACACGAGTTCT
 GGAGGTACTTTGCGGGCAACCTGGCCTCCGGCGGTGCGGCCGGCGACCTCCCTCTGCT
 TCGTGTACCCGCTGGATTTTGCAGAACCCGCTGGCAGCGGACGTGGGAAAGTCAGGCA
 CAGAGCGCGAGTCCGAGGCCTGGGAGACTGCCTGGTGAAGATCACCAAGTCCGACGGCA
 TCCGGGGCCTGTACCAGGCTTCAGTGTCTCCGTGCAGGGCATCATCATCTACCGGGCGG
 CCTACTTCGCGCTGTACGATACGGCCAAGGGCATGCTCCCCGACCCCAAGAACACGCACA
 TCGTGGTGAAGCTGGATGATCGCGCAGACCGTGACGGCCGTGGCCGGCGTGGTGTCTACC
 CCTTCGACACGGTGGCGGGCGCATGATGATGCAGTTCGGGGCGCAAAGGAGCTGACATCA
 TGTACACGGGCACCGTCGACTGTTGGAGGAAGATCTTCAGAGATGAGGGGGGCAAGGCCT
 TCTTCAAGGGTGGTGGTCCAACGTCCTGCGGGGCATGGGGGGCGCCTTCGTGCTGGTCC
 TGTACGACGAGCTCAAGAAGGTGATCTAAGGGCCGCGGCCTCTCCACACACACACACAC
 CAGGGGAACCAAGAGAACCACGTAGAATCCTCAACCGTGCGGACCATCAACCTTCGAGAA
 ATTCCAGTTGTCTTTTCCAGCCGCATCCTGCCTGTAGATGGCCGGGGAAGGCTCTAGA
 AAAGGGGCGCATTGCGATCCAACCATCGGCAGCCGATTCCGTGTCTTGATCACGGGGTGG
 GAGGGAACCGTGGCGTCCCTGCGTGGGGCCATGGGTGAGACTCCAGTACTGAGACCT
 AGAGTCCAGATGCTTGTAGGAGCCAAGTCGTGTTCTAAGTATTTATTTAAACAAAAGAA
 TCACGTTTTCCATTTGTAATTCAGCGCTAGCCCTGTTTTGCACAGCCGAGTACTGGCG
 AGTATGTTCTATGTTGGCCTCCTGCTGCAAAACAATAAACAGAGGACGCAGAGGTCAA
 AAAAAAAAAAAAAA



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Restriction Sites:	ECORI-NOT
ACCN:	NM_001636
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).
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:	NM_001636.1 , NP_001627.1
RefSeq Size:	1455 bp
RefSeq ORF:	897 bp
Locus ID:	293
UniProt ID:	P12236
Cytogenetics:	X;Y
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Calcium signaling pathway, Huntington's disease, Parkinson's disease
Gene Summary:	This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein is implicated in the function of the permeability transition pore complex (PTPC), which regulates the release of mitochondrial products that induce apoptosis. The human genome contains several non-transcribed pseudogenes of this gene. [provided by RefSeq, Jun 2013]