

Product datasheet for **SC317059**

SLC25A36 (NM_001104647) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC25A36 (NM_001104647) Human Untagged Clone
Tag: Tag Free
Symbol: SLC25A36
Synonyms: PNC2
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001104647, the custom clone sequence may differ by one or more nucleotides
ATGAGCCAGAGGGACACGCTGGTGCATCTGTTTGCCGGAGGATGTGGTGGTACAGTGGGA
GCTATTCTGACATGTCCACTGGAAGTTGTAAAAACACGACTGCAGTCATCTTCTGTGACG
CTTTATATTTCTGAAGTTCAGCTGAACACCATGGCTGGAGCCAGTGTCAACCGAGTAGTG
TCTCCCGACCTTTCATTGCCTAAAGGTGATCTTGAAAAAGAAGGGCCTCGTTCCTTG
TTTAGAGGACTAGGCCCAATTTAGTGGGGGTAGCCCCTCCAGAGCAATATACTTTGCT
GCTTATTCAAACTGCAAGGAAAAGTTGAATGATGATTTTGATCCTGATTCTACCCAAGTA
CATATGATTTTCAGCTGCAATGGCAGTTTTACTGCAATCACAGCAACCAACCCCATTTGG
CTTATAAAGACTCGGTTACAGCTTGATGCAAGGAACCGCGGGAAAGCGCAATGGGTGCT
TTTGAATGTGTTTCGTAAGTGTATCAGACAGATGGACTAAAAGGATTTTATAGGGGCATG
TCTGCTTCATATGCTGGTATATCAGAGACTGTTATCCATTTTGTATTTATGAAAGTATA
AAACAAAACACTGGAATATAAGACTGCTTCTACAATGGAAAATGATGAAGAGTCTGTG
AAAGAAGCATCAGATTTTGTGGGAATGATGCTAGCTGCTGCCACCTCAAAAACCTTGTGCC
ACAACATAGCATATCCACATGAAGTTGTAAGAACAAGACTACGTGAAGAGGGAACAAAA
TACAGATCTTTTTTTCAGACTCTATCTTTGCTTGTCAAGAAGAAGGTTATGGGTCTCTT
TATCGTGGTCTGACAACTCATCTAGTGAGACAGATTCCAAACACAGCCATTATGATGGCC
ACCTATGAATTGGTGGTTTACCTACTCAATGGA

Restriction Sites: Please inquire
ACCN: NM_001104647
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_001104647.1</u> , <u>NP_001098117.1</u>
RefSeq Size:	4677 bp
RefSeq ORF:	936 bp
Locus ID:	55186
UniProt ID:	<u>Q96CQ1</u>
Cytogenetics:	3q23
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>Mitochondrial transporter that imports/exports pyrimidine nucleotides into and from mitochondria. Transports preferentially cytosine and uracil (deoxy)nucleoside mono-, di-, and triphosphates by uniport and antiport mechanism. Also transports guanine but not adenine (deoxy)nucleotides. Is inhibited strongly by pyridoxal 5'-phosphate, 4,7-diphenyl-1,10-phenanthroline, tannic acid, and mercurials (mercury dichloride, Mersalyl acid, p-hydroxymercuribenzoate). Participates in mitochondrial genome maintenance, regulation of mitochondrial membrane potential and mitochondrial respiration.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>