

Product datasheet for **SC320327**

SLC25A3 (NM_002635) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC25A3 (NM_002635) Human Untagged Clone
Tag: Tag Free
Symbol: SLC25A3
Synonyms: OK/SW-cl.48; PHC; PTP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002635.2
GCAACCTTCCAAGGGAGTGGTTGTGTGATCGCCATCTTAGGGAAAAGATGTTCTCGTCC
GTGGCGCACCTGGCGCGGGCGAACCCTTCAACACGCCACATCTGCAGCTGGTGCAGCAT
GGTCTCGGGGACCTCCGACAGCAGCTCCCCAGGGCCACGGGCCAGCCCCGCCCTCGC
AACCTGGCAGCCGCCCGTGGAAAGGTACAGTTGTGAATTTGGCTCCGCGAAGTATTAT
GCACTGTGTGGCTTTGGTGGGTCTTAAGTTGGTCTGACACACACTGCTGTGGTTCCC
CTGGATTTAGTAAAATGCCGTATGCAGGTGGACCCCAAAAGTACAAGGCATATTTAAC
GGATTCTCAGTTACACTTAAAGAGGATGGTGTTCGTGGTTTGGCTAAAGGATGGGCTCCG
ACTTTCCTGGCTACTCCATGCAGGGACTCTGCAAGTTTGGCTTTTATGAAGTCTTTAA
GTCTTGATAGCAATATGCTTGGAGAGGAGAATACTTATCTCTGGCGCACATCACTATAT
TTGGCTGCCTCTGCCAGTCTGAATTTTGTGACATTGCCCTGGCTCCTATGGAAGCT
GCTAAGTTTCAATTCAAACCCAGCCAGTTATGCCAACACTTTGAGGGATGCAGCTCCC
AAAATGTATAAGGAAGAAGGCCTAAAAGCATTCTACAAGGGGTTGCTCCTCTCTGGATG
AGACAGATACCATACCCATGATGAAGTTGCGCTGCTTTGAACGTAAGCACTGTTGAAGCACTG
TACAAGTTTGTGGTTCTAAGCCCCGAGTGAATGTTCAAAGCCAGAGCAGCTGGTTGTA
ACATTTGTAGCAGGTTACATAGCTGGAGTCTTTTGTGCAATTTGTTCTCACCCCTGCTGAT
TCTGTGGTATCTGTGTTGAATAAAGAAAAGGTAGCAGTGCTTCTCTGGTCTCAAGAGA
CTTGATTTAAAGGTGTATGGAAGGGACTGTTTGGCCGATCATCATGATTGGTACCCTG
ACTGCCTACAGTGGTTTATCTATGACTCCGTAAGGTCTACTTCAGACTTCTCCGCCCT
CCTCCACCCGAGATGCCAGAGTCTCTGAAGAAGAAGCTTGGGTTAACTCAGTAGTTAGAT
CAAAGCAAATGTGGACTGAATCTGCTTGTGATCAGTGTGAAGAAAGTCAAAGGAAC
TTTTATATATTTGACAGTGTAGGAAATTGTCTATTCTGATATAATTACTGTAGTACTCT
TGCTTAAGGCAAGAGTTTCAGATTTACTGTTGAAATAAACCCAACTTTCATGAAAAAAA
AA

Restriction Sites: Please inquire



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ACCN:	NM_002635
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_002635.2</u> , <u>NP_002626.1</u>
RefSeq Size:	1685 bp
RefSeq ORF:	1086 bp
Locus ID:	5250
UniProt ID:	<u>Q00325</u>
Cytogenetics:	12q23.1
Domains:	mito_carr
Protein Families:	Transmembrane
Gene Summary:	<p>The protein encoded by this gene catalyzes the transport of phosphate into the mitochondrial matrix, either by proton cotransport or in exchange for hydroxyl ions. The protein contains three related segments arranged in tandem which are related to those found in other characterized members of the mitochondrial carrier family. Both the N-terminal and C-terminal regions of this protein protrude toward the cytosol. Multiple alternatively spliced transcript variants have been isolated. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) represents the predominant transcript. Variants 2 and 3 encode the same isoform (b). 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>