

Product datasheet for **SC322191**

SLC25A3 (NM_213611) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A3 (NM_213611) 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)



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Fully Sequenced ORF: >OriGene sequence for SC322191
 CGCAACCTTTCCAAGGGAGTGGTTGTGTGATCGCCATCTTAGGGAGTGAGTGTGGCCGGG
 CCTTCTCTGTGGCGGGTGTGGGGAGCGGAGCCAGAGCTCCTGTGGGGCCGCTGCTTTG
 GCGGTGGGCCAGCCGGGAGCAGCCTCTTTCGAAGGCCGCGTGACCTCTTCAAGGGCGT
 GGAGACGGGAAGGAAAAGCCCCGGTTGGGGTTCAGGGCGCCGTAACGTTAACCGGCG
 CCTTGCCTGTCTTAACCGTCGCTCCCTCCTCCCCTAGAAAGATGTTCTCGTCCGTGGC
 GCACCTGGCGCGGGCGAACCCCTTCAACACGCCACATCTGCAGCTGGTGCACGATGGTCT
 CGGGGACCTCCGACAGCTCCCCAGGGCCACGGGCCAGCCCCGCCCTCGCAACCT
 GGCAGCCGCCCGTGGAAAGGTACAGTTGTGAATTTGGCTCCGCGAAGTATTATGCACT
 GTGTGGCTTTGGTGGGTCTTAAGTTGTGGTCTGACACACACTGCTGTGGTTCCCCTGGA
 TTTAGTAAAATGCCGTATGCAGGTGGACCCCCAAAAGTACAAGGCATATTTAACGGATT
 CTCAGTTACACTTAAAGAGGATGGTGTTCGTGGTTTGGCTAAAGGATGGGCTCCGACTTT
 CCTTGGCTACTCCATGCAGGGACTCTGCAAGTTTGGCTTTTATGAAGCTTTAAAGTCTT
 GTATAGCAATATGCTTGGAGAGGAGAATACTTATCTCTGGCGCACATCACTATATTTGGC
 TGCTCTGCCAGTCTGAATTTTGTGACATTGCCCTGGCTCCTATGGAAGCTGCTAA
 GGTTCGAATCAAACCCAGCCAGTTATGCCAACACTTTGAGGGATGCAGCTCCCAAAAT
 GTATAAGGAAGAAGGCCTAAAAGCATTCTACAAGGGGGTGTCTCCTCTGGATGAGACA
 GATACCATAACCATGATGAAGTTCGCCTGCTTTGAACGTAAGTGTGAAGCACTGTACAA
 GTTTGTGGTTCCTAAGCCCCGAGTGAATGTTCAAAGCCAGAGCAGCTGGTTGTAACATT
 TGTAGCAGGTTACATAGCTGGAGTCTTTTGTGCAATTGTTTCTCACCCCTGCTGATTCTGT
 GGTATCTGTGTTGAATAAAGAAAAGGTAGCAGTGCTTCTCTGGTCTCAAGAGACTTGG
 ATTTAAAGGTGTATGGAAGGGACTGTTTGGCCGTATCATCATGATTGGTACCCTGACTGC
 ACTACAGTGGTTTATCTATGACTCCGTGAAGGTCTACTTCAGACTTCTCGCCCTCCTCC
 ACCCGAGATGCCAGAGTCTCTGAAGAAGAAGCTTGGGTTAACTCAGTAGTTAGATCAAAG
 CAAATGTGGACTGAATCTGCTTGTGATCAGTGTGAAGAAAGTCAAAAAGGAACCTTTTA
 TATATTTGACAGTGTAGGAAATTGTCTATTCTGATATAATTACTGTAGTACTCTTGCTT
 AAGGCAAGAGTTTCAAGTTTACTGTTGAAATAAACCCAACTTTCATGAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_213611

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:

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_213611.1](#), [NP_998776.1](#)

RefSeq Size: 1919 bp

RefSeq ORF: 1086 bp

Locus ID: 5250

UniProt ID: [Q00325](#)

Cytogenetics: 12q23.1

Protein Families: Transmembrane

Gene Summary: 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]

Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 2. Variants 2 and 3 both encode 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.