

Product datasheet for **SC116471**

SLC25A3 (NM_005888) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A3 (NM_005888) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A3
Synonyms:	OK/SW-cl.48; PHC; PTP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005888, the custom clone sequence may differ by one or more nucleotides

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ATGTTCTCGTCCGTGGCGCACCTGGCGCGGGCGAACCCCTTCAACACGCCACATCTGCAGCTGGTGCACG
ATGGTCTCGGGGACCTCCGCAGCAGCTCCCAGGGCCACGGGCCAGCCCGCCGCCCTCGCAACCTGGC
AGCCGCCCGCGTGAAGAGCAGTATAGCTGTGACTATGGATCTGGCAGATTCTTTATCCTTTGTGGACTT
GGAGGAATTATTAGCTGTGGCACAACACATACAGCATTGGTTCCTCTAGATCTGGTTAAATGCAGAAATGC
AGGTGGACCCCAAAAGTACAAGGGCATATTTAACGGATTCTCAGTTACACTTAAAGAGGATGGTGTTCG
TGGTTTGGCTAAAGGATGGGCTCCGACTTTCCTTGGCTACTCCATGCAGGGACTCTGCAAGTTTGGCTTT
TATGAAGTCTTTAAAGTCTTGTATAGCAATATGCTTGGAGAGGAGAATACTTATCTCTGGCGCACATCAC
TATATTTGGCTGCCTCTGCCAGTGTGAATTCCTTGTCTGACATTGCCCTGGCTCCTATGGAAGCTGCTAA
GGTTTCGAATTCAAACCCAGCCAGGTTATGCCAACACTTTGAGGGATGCAGCTCCCAAAATGTATAAGGAA
GAAGGCCTAAAAGCATTCTACAAGGGGGTTGCTCCTCTCTGGATGAGACAGATACCATACACCATGATGA
AGTTTCGCTGCTTTGAACGTAAGTGTGAAAGCACTGTACAAGTTTGTGGTTCCTAAGCCCCGAGTGAATG
TTCAAAGCCAGAGCAGCTGGTTGAACATTTGTAGCAGTTACATAGCTGGAGTCTTTTGTGCAATTGTT
TCTCACCTGTGATTCTGTGGTATCTGTGTTGAATAAAGAAAAAGGTAGCAGTGCTTCTCTGGTCTCTCA
AGAGACTTGGATTTAAAGGTGTATGGAAGGGACTGTTTGGCCGTATCATCATGATTGGTACCCTGACTGC
ACTACAGTGGTTTATCTATGACTCCGTGAAGTCTACTTCAGACTTCTCGCCCTCCTCCACCCGAGATG
CCAGAGTCTCTGAAGAAGAAGCTTGGTTAACTCAGTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005888 unedited</p> <pre> ACACCATTACGTATAGGCGGCCGCAATCGGCACGAGGCCTCGTGCCGAATTCGGCACC AGGGCCGCAACCTTTCCAGGGAGTGGTTGTGTGATCGCCATCTTAGGGAAAAGATGTTCT CGTCCGTGGCGCACCTGGCGCGGGCGAACCCTTCAACACGCCACATCTGCAGCTGGTGC ACGATGGTCTCGGGACCTCCTTTTTTTTTCCCCAGGGCCACGGGCCAGCCCCGGCC CTCGCAACCTGGCAGCCGCCCGCTGGAAGAGTACAGTTGTGAATTTGGCTCCGCGAAGT ATTATGCACTGTGTGGCTTTGGTGGGGTCTTAAGTTGTGGTCTGACACACACTGCTGTGG TTCCCCTGGATTTAGTGAAATGCCGTATGCAGGTGGACCCCAAAGTACAAGGGCATAT TTAACGGATTCTCAGTTACACTTAAAGAGGATGGTGTTCGTGGTTTGGCTAAAGGATGGG CTCCGACTTTCCTTGGCTACTCCATGCAGGGACTCTGCAAGTTTGGCTTTTATGAAGTCT TTAAAGTCTTGTATAGCAATATGCTTGGAGAGGAGAATACTTATCTCTGGCGCACATCAC TATATTTGGTGCCTCTGCCAGTGTGAATTTCTTGTGACATTGCCCTGGCTCCTATGG AAGCTGCTAAGGTTCGAATTCAAACCCAGCCAGGTTATGCCAACACTNNTGAGGATGCAG CTCCCAAATGTATAAGGAAGAAGCCTANAGCATTACAGGGGGTGTNCTCTCTGATG AGACAGATCCTACACCTGATGAAGTCGCCTGCTTGAACGTAAGTGAAGCCTGTACAGT TTGTGGTTCTAAGCCCGANTGATGTTCAAGCAGAGCACTGGTGTACATTGTACAGGTACT AGCTGAGTCTTTGTGCATGTTCTCACTGCGANCTGNGTATCTGGTGATAGAAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005888 unedited</p> <pre> GTTGGGTTTTTATCGTAAACTGAAACCTTGCCTTAAGCAANAGTACTACAGTAATTATA TCAGGAATAGACAATTTCTACACTGTCAAATATATAAAAGTTCTTTTGCACCTTCTTC AACACTGATCAACAAGCAGATTCAGTCCACATTTGCTTTGATCTAACTACTGAGTTAACC CAAGCTTCTTCTCAGAGACTCTGGCATCTCGGGTGGAGGAGGGCGAGGAAGTCTGAAGT AGACCTTCACGGAGTCATAGATAAACCCTGTAGTGCAGTCAGGTACCAATCATGATGA TACGGGCAAACAGTCCCTTCCATACACCTTAAATCCAAGTCTCTTGAGGACCAGAGAAG CACTGCTACCTTTTTCTTATTCAACACAGATACCACAGAATCAGCAGGGTGAGAAACAA TTGCACAAAAGACTCCAGCTATGTAACCTGCTACAAAATGTTACAACAGCTGCTCTGGCT TTGAACATTCAGTGGGGCTTAGGAACCACAACTTGTACAGTGCTTCAACAGTACGTT CAAAGCAGGCGAACTTCATCATGGTGTATGGTATCTGTCTCATCCAGAGAGGAGCAACCC CCTTGTAGAATGCTTTTAGGCCCTTCTNCTTATACATTTGGGAGCTGCATCCCTCANAG TGTTGGCATAACCTGGCTGGGTTGAATTCGAACCTTAGCAGCTTCCATAGGAGCCAGGG CAATGTACAGCAAAGAATTCAGCACTGGCAGAGGCAGCCAAATATAGTGATGTGCGCCAGA GATAAGTATTCTCTCTCCAGCATATTGCTATACAAGACTTTAAAGACTTCATAAAAAAG CCAACCTGCAGAGTCCCTGCATGGAGTAGCCAAGGAAAGTCGGAGCCATTCTTTTAGCA ACCACGACCACATCCTCTTTAGGGTACTGAGATCCGTAATGGCCTGTACTTTGGGGTC CCCTGCTACGCATTCTAAACCAGGGACCCACATGGTGTN</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005888
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:

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_005888.2](#), [NP_005879.1](#)

RefSeq Size: 1688 bp

RefSeq ORF: 1089 bp

Locus ID: 5250

UniProt ID: [Q00325](#)

Cytogenetics: 12q23.1

Domains: mito_carr

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 (1) has an alternate exon in the 5' coding region, compared to variant 2. It encodes isoform a, which has an internal segment that differs from 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.