

Product datasheet for **SC118480**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002635, the custom clone sequence may differ by one or more nucleotides

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ATGTTCTCGTCCGTGGCGCACCTGGCGCGGGCGAACCCCTTCAACACGCCACATCTGCAGCTGGTGCACG
ATGGTCTCGGGGACCTCCGCAGCAGCTCCCAGGGCCACGGGCCAGCCCGCCGCTCGCAACCTGGC
AGCCGCCCGCGTGAAGAGTACAGTTGTGAATTTGGCTCCGCGAAGTATTATGCACTGTGTGGCTTTGGT
GGGGTCTTAAGTTGTGGTCTGACACACACTGCTGTGGTCCCCTGGATTTAGTAAATGCCGTATGCAGG
TGGACCCCAAAAGTACAAGGGCATATTTAACGGATTCTCAGTTACACTAAAGAGGATGGTGTTCGTGG
TTTGGCTAAAGGATGGGCTCCGACTTTCCTTGGCTACTCCATGCAGGGACTCTGCAAGTTTGGCTTTTAT
GAAGTCTTTAAAGTCTTGTATAGCAATATGCTTGGAGAGGAGAATACTTATCTCTGGCGCACATCACTAT
ATTTGGCTGCCTCTGCCAGTGTGAATTTTGGCTGACATTGCCCTGGCTCCTATGGAAGCTGCTAAGGT
TCGAATTCAAACCCAGCCAGGTTATGCCAACACTTTGAGGGATGCAGCTCCCAAAATGTATAAGGAAGAA
GGCCTAAAAGCATTCTACAAGGGGGTTGCTCCTCTCTGGATGAGACAGATACCATAACCCATGATGAAGT
TCGCCTGCTTTGAACGTAAGTGTGAAGCACTGTACAAGTTTGTGGTTCCTAAGCCCCGAGTGAATGTTT
AAAGCCAGAGCAGCTGGTTGTAACATTTGTAGCAGGTTACATAGCTGGAGTCTTTTGTGCAATTGTTTCT
CACCTGCTGATTCTGTGGTATCTGTGTTGAATAAAGAAAAAGGTAGCAGTGCTTCTCTGGTCCCTCAAGA
GACTTGGATTTAAAGGTATGGAAGGGACTGTTTGCCCGTATCATCATGATTGGTACCCGACTGCACT
ACAGTGGTTTATCTATGACTCCGTGAAGGTCTACTTCAGACTTCCCTCGCCCTCTCCACCCGAGATGCCA
GAGTCTCTGAAGAAGAAGCTTGGGTTAACTCAGTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002635 unedited
 AAGCTCTTTGTTTTGTATACGACTCTTATGGGCGGCCGGAATTCGGCACGAGGCGCCGA
 CGACGCGCCGAGGGCACACATCTTATGACCCGGAGGACGTCCGGCCTCTGTGAGCCGCAA
 CCTTTCCAAGGGAGTGGTTGTGTGATCGCCATCTTATGGAAAAGATGTTCTCGTCCGTGG
 CGCACCTGGCGCGGGCGAACCCCTTCAACACGCCACATCTGCAGCTGGTGCACGATGGTC
 TCGGGGACCTCCGACGAGCTCCCAGGGCCCACGGGCCAGCCCCGCCGCCCTCGCAACC
 TGGCAGCCGCGCCGTGGAAGAGTACAGTTGTGAATTTGGCTCCGCGAAGTATTATGCAC
 TGTGTGGCTTTGGTGGGTCTTAAGTTGTGGTCTGACACACACTGCTGTGGTTCCCTGG
 ATTTAGTGAAATGCCGTATGCAGGTGGACCCCCAAAAGTACAAGGCATATTTAACGGAT
 TCTCAGTTACACTTAAAGAGGATGGTGTTCGTGGTTTGGCTAAAGGATGGGCTCCGACTT
 TCCTTGGCTACTCCATGCAGGGACTCTGCAAGTTTGGCTTTTGAAGTCTTTAAAGTCT
 TGTATAGCAATATGCTTGGAGAGGAGAATACTTATCTCTGGCGCACATCACTATATTTGG
 CTGCTCTGCCAGTGTGAATTTCTTGGTACATTGCCCTGGCTCCTATGGAAGCTGCTA
 AGGTTCAATTCAAACCCAGCCAGGTTATGCCAACACTTTGAGGGATGCAGCTCCATAA
 TGTATAAGGAATGATGCCTATTAGCATTCTACAGGGNGGTTGCTCCTCTCTGGATGAGAC
 AGATACCATACACCATGATGAAGTTCGCCTGCTTNTGACGTAAGTGTGNAGCACTGTANC
 AGTTTTGTGGTTCCTAAGCCCCGAGTTGATGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002635 unedited
 GGCAACTTCCAGGGCCAGGNANAGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGAT
 CTGTTCCAGAAACAGCTATGACCCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTT
 TTTTCATGAAGAGTTGGGTTTATTTCAACAGTAAATCTGAAACTCTGCCTTAAGCAAGAG
 TACTACAGTAATTATATCAGGAATAGACAATTTCTTACACTGTCAAATATATAAAAGTTC
 CTTTTGCACTTTCTTCAACACTGATCAACAAGCAGATTAGTCCACATTTGCTTTGATCT
 AACTACTGAGTTAACCCAAGCTTCTTCTCAAAGACTCTGGCATCTCGGGTGGAGGAGGG
 CGAGGAAGTCTGAAGTAAACCTTACGGAGTCATAGATAAAACCACTGTAGTGCAGTNNNN
 GTACCAATCATGATGATACGGGCAACAGTCCCTTCCATACACCTTTAAATCCAAGTCTC
 TTGAGGACCAGAGAAGCACTGCTACCTTTTTCTTTATTCAACACAGATACCACAGAATCA
 GCAGGGTGAGAAACAATTGCACAAAAGACTCCAGCTATGTAACCTGCTACAAATGTTACA
 ACCAGCTGCTCTGGCTTTGAACATTCACCTGCGGNGCTTAGGAACCACAACTTGTACAGT
 GCTTCAACAGTACGTTCAAAGCAGGCGCAACTTATCATGGTGTATGGTATCTGTCTCATCC
 AGAAGGAGCAACCTNNNNATCGATGCTTTTAGGCCTTCTCCTTATACATTTGGGAGCTG
 CATCCTCAAGTGTGGCATACTGGCTGGGTTTGATTTCAACCTTACAGCTCCATAGAGC
 AGGGCATGTCGCAAGATTCAGACTGGCAGAGCAGCAAATATGGATGGGCGCAGAAAGTAT
 TCTCTCTCAGCATTNGCTAA

Restriction Sites:

NotI-NotI

ACCN:

NM_002635

Insert Size:

1460 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:	<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_002635.2 , NP_002626.1
RefSeq Size:	1685 bp
RefSeq ORF:	1086 bp
Locus ID:	5250
UniProt ID:	Q00325
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>