

## Product datasheet for **SC100144**

### SLC25A43 (NM\_145305) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A43 (NM_145305) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A43
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100144 sequence for NM_145305 edited (data generated by NextGen Sequencing)

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ATGGCTACGTGGAGGCGGGACGGCCGACTGACAGGCGGCCAAAGGCTGCTGTGCGCTGGG
CTGGCGGGGACGCTCAGCCTCAGCCTCACCGCGCCCCTGGAGCTCGCCACCGTGTGGCC
CAGGTTGGCGTCTGCGAGGCCACGCCGGGGACCGTGGGCCACAGGGCACCGGGTGTGG
CGGGCAGAGGGGCTCCGGGCCCTGTGGAAGGGGAACGCGGTGGCGTGCCTGCGCCTCTTC
CCCTGCAGCGCCGTGCAGCTCGCCGCCTACCGCAAATTTGTTGTGCTGTTACAGATGAC
CTGGGCCACATTTCCAGTGGAGCTCCATCATGGCTGGGAGTCTCGCAGGCATGTTTCC
ACCATTGTAACATATCCTACAGACCTCATCAAAACCCGGTTGATCATGCAGAACATACTG
GAACCATCGTACAGGGGGCTCCTCCATGCTTTTTCTACTATTTACCAACAGGAAGGGTTC
CTTGCCCTTTATCGAGGGGTTTTCCCTCACTGTTGTAGGTGCTCTCCCGTTCTCTGTGCG
TCCCTTCTGTTTACATGAACCTGGAGAAAATCTGGAACGGACCCCGAGATCAGTTCTCT
CTCCACAGAACTTTGCTAATGTCTGTCTGGCTGCTGCAGTGACCCAGACCCTCTCCTTT
CCCTTTGAGACCGTGAAGAGAAAGATGCAGGCTCAGAGCCCCTACCTCCCACACAGTGA
GGAGTAGATGTCCATTTCTCAGGAGCAGTGGACTGCTTCCGGCAGATAGTGAAGGCCAG
GGGGTCTGGGGCTCTGGAATGGATTGACAGCCAATTTACTGAAGATAGTTCCATATTTT
GGAATTATGTTTAGCACCTTTGAGTTCTGCAAGAGAATCTGTCTTATCAAAATGTTTAC
ATTCTGTCTCCACTGAGCTATAAATTGACCCAGGAGTCGATCAGAGTTTGCAGCCCCAG
GAATTACGAGAATTAAGAAGTTCTTCAAACGAGAAAACCTGAAGCCTAAAAACCAACT
CTATAA

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Clone variation with respect to NM\_145305.2  
1001 c=>t



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_145305 unedited</p> <pre>TTATATCCCCCGCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA AGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC GCGAATTCGGCACGAGGGGCCCGGGTCCGGGCTCAATGGCTACGTGGAGGCGGGACGGCC GACTGACAGGCGCCAAAGGCTGCTGTGCGCTGGGCTGGCGGGGACGCTCAGCCTCAGCC CCCGGGGACCGTGGGCCACAGGGCACCGGGTGTGGCGGGCAGAGGGGCTCCGGGCCCTGT GGAAGGGGAACGCGGTGGCGTGCCTGCGCCTCTCCCTGCAGCGCGTGCAGCTCGCCG CCTACCGCAAATTTGTTGTGCTGTTACAGATGACCTGGGCCACATTTCCAGTGGAGCT CCATCATGNGTGGGAGTCTCGCAGGCATGGTTTCCACCATTGTAACATATCCTACAGNAC CTCATCAAACCCGGTTGATCATGCAGAACATACTGGAACCATCGTACAGGGGGCTCCTC CATGCTTTTTCTACTATTTACCAACAGGAAGGGTTCCTTGCCCTATCGGAGGGGTTTCC CTCACTTGTGTAGGTGCTCTCCGTTCTCTGCTGGCTCCTTCTGTTTACATGAACCTG GAGAAAATCTGGAACGACCCCGNANATCAGTTCTCTCCCACAGAACTTTGCTTATGT CCTGTCTGGCTGCTGCAGTGACCCAGACCCTCTCCTTTCCCTTTGAGACCGTGAAGAGAA AGATGCAGGCTCAGAGCCCTACCTCCAACGTGGGAGAGAANAAAATGCCCATTTCTCAGG AGCAATGGACTGCTNTCGGCAAAAATGAC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_145305 unedited</p> <pre>AACCTTTNTTTTTNTCTTTGGNAAAATTTTTTAAATCGGAAAAAACTTGCAACATACC GAAAATCTCTCTATGTATAAGTGTATGTGTGTATAAATTAACAATTTTATGTTAGA TATTAATGCATTTTTAAATGCATAGATAGGTGCTATTTGACAAGTATAGTTATATAAAT TTATATAGAATCTCTAAAGTGAACAATCTGAGATTTGATTTTTAGAAAAGTTTGATACA GATGATTAGGTTAAAGTGTATATAGTCAGTTACATTTTTTTGAGTATGTGTGCAATGT TCCATTTGATCCTTTCTAGGCAACTGGGACATCTTTGAGAATAACTTGACTAAATAACTT ATTTTCAGAGTAGGCTTGCAAAGCAAGTTAAAAAGGCAGAGAATTTAGGCCACTGAACTG TACATGACTTCAATCAGAAGGTCTTTGGGGGATAAATAAGCAGTCATGGTATAAATGT CTTTCTGAAACACAAGATTTAAGCCTGGGATGCTTCAAATTTCAAAAAAGAAGGATGAT TCTACTACAATGGTGATAGCTTTAAATGTTGCTATTTTCATTTAGATTCTGATAAGGC ATAATTTACTGTGGTGTGTGCACTCAGATGTCAGCAAAAATTTGAGTTCAAAAAAGAT TGTAAGGGGAGGGTGCAGCGGCTCACACCCTCTATCCTAGCGCTTTGGGAGGCCAAGG CANGAGGATTGCATGAGCCAGNAGTTCAGACCAGCCTGGGCACATAGCAAGACCTCCCC AAAATTTAGCTAGTGTGGGTGTGCACCTC</pre>
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_145305
<b>Insert Size:</b>	2600 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145305.1</a> , <a href="#">NP_660348.1</a>
<b>RefSeq Size:</b>	2788 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	203427
<b>UniProt ID:</b>	<a href="#">Q8WUT9</a>
<b>Cytogenetics:</b>	Xq24
<b>Domains:</b>	mito_carr
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	This gene encodes a member of the mitochondrial carrier family of proteins.[provided by RefSeq, Dec 2009]