

Product datasheet for **SC108686**

SLC25A38 (NM_017875) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A38 (NM_017875) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A38
Synonyms:	SIDBA2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017875, the custom clone sequence may differ by one or more nucleotides

ATGATTCAGAACTCACGTCCGTCGCTGCTGCAACCCCAAGATGTCGGAGACACGGTGAAACGCTTATGT
 TACATCCGGTGATCAAGGCTTTCTGTGTGGCTCCATCAGTGGGACCTGCTCTACCCTCCTTTTCCAACC
 TCTGGATCTCCTTAAACACGCCTGCAAACCTCCAGCCCTCAGATCATGGGTCTAGACGTGTTGGGATG
 TTGGCTGTACTCTTGAAGGTGGTTCGCACGGAGAGTCTTTGGGCCTTTGGAAAGGGATGTCCCCTTCCA
 TTGTGAGATGTGCCCTGGCGTTGGAATCTACTTTGGCACTCTCTACTCTTTGAAGCAGTATTTCTTGCG
 AGGCCATCCCCAACCGCCCTGGAGTCAGTCATGCTGGGGGTGGGCTCTCGCTCTGTTGCAGGGGTCTGT
 ATGTCACCTATCACTGTAATCAAGACGCGCTATGAGAGTGGGAAATATGGCTATGAGAGTATCTACGCTG
 CCCTGAGGAGCATCTATCAGTGAGGGGCACCGGGGCTCTTCAGTGGCCTGACAGCAACTCTCCTTCG
 AGATGCGCCCTTCTCAGGAATCTACCTGATGTTTTACAACCAGACCAAAAATATAGTGCCTCATGACCAG
 GTGGATGCAACCCTTATTCCTATTACAAATTTAGCTGTGGGATATTTGCTGGTATTCTGGCCTCACTGG
 TAACTCAACCTGCGGATGTTATCAAACTCATATGCAGCTTTATCCACTGAAGTTTCAATGGATTGGCCA
 AGCAGTGACACTTATTTTCAAAGACTATGGACTACGTGGCTTCTTCCAAGGTGGCATCCCCGAGCCCTC
 CGCAGAACTCTAATGGCAGCAATGGCGTGGACGGTGTATGAAGAGATGATGGCCAAGATGGGCCTGAAGT
 CCTGA


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017875 unedited
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTCCTCCGGCGTTTCC
 TCCACCCCGGGATACACAGAACCTCATCTCCTACGGTGTGAAGCCTGCAGCAGGGCAGG
 ATGGGCAGGAGAGCAGAGCCGCGGAGTCTGCGGCGCGGTGAAGAGCGGCGCGTAATTCC
 CGCAGCAAGATTGTTCCGCGCCCGCAGCCCTGGACTAGCAGGATCCGAACCCCGGCGGC
 TCGTGTCTTATAGGCGCAGACGTCTAGAGAGCCCGCGCTTAAAGCGCGTCGCCTGGCTAG
 CGCCACCCCTAGCCTTCTTCAAGGCCTCCAGGGCTGGGCCAAGCGCCCGTCGACGGCA
 CCTGGGCCAGAGGACTCGCGGGCCTCATCTCCAATGATTAGAACTACGTCCGTCGC
 TGCTGCAACCCCAAGATGTCGGAGACACGGTGGAAACGCTTATGTTACATCCGGTGATCA
 AGGCTTTCTGTGTGGCTCCATCAGTGGGACCTGCTCTACCCCTCTTTTCCAACCTCTGG
 ATCTCCTTAAACACGCCTGCAACCCCTCCAGCCCTCAGATCATGGGTCTAGACGTGTTG
 GGATGTTGGCTGTACTCTTGAAGGTGGTTCGCACGGAGAGTCTTTGGGCCTTTGGAAAG
 GGATGTCCCTTCCATTGTGAGATGTGTCCTGGCGTTGGAATCTACTTTGGCACTCTCT
 ACTCTNNTGAGCAGTATTTCTTGCAGGCCATCCNCCACCGCCCTGGAGTCAGTCATGC
 TGGGGGGTGGGCTCTCGCTCTNGTGCAGNGTCTGTATGTCACCTATCACTGGTATCAAG
 ACGCGCTATGAGAGTGGGAAATATGGCTATGAGAGTTCTACGCTGNCCTGAGGAGCATCT
 TCACAGTGAGGGGACCGGGCCCTTTTCATGGGCTGAACGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017875 unedited
 CCGCGGCCCATATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTAAAGCCAGCCCTTAATGGCGGGGAAAAAAAAAGGC
 CAAAATTTAAAGGAAAAACAGTCCGGGGGCCAAAACAAAAAATTTTTTTGGAACCTTC
 AAAGGCTAAAAAGCCCTGCCCGTTCTCAAACCTTTGAAAAGTTACCTGAAACCCAA
 TTAAGGAGGGCCTTGGTTCCTCCTCATCTACCATCACCTAAATCACTCTGGGACCTGG
 GGACAGGGACCCCTCTAAATCCAACCTTCCCTGGGGGACCCCCAGGCCCGGA
 GGCAACTTACACCTTCTTTGGCTTTGGGATCGCTCCCCAAAAACATACCAAGGAAACC
 CTGCGGGGCGGGGGGGGAAAAACCCACCCCTGACAAACCTTTCCCGGAAAAACG
 CCTTCCACGCCCCCACCAAGCTTCCACCCCTCTCTCCACCACCACAAGGGCCCTCAA
 AATTGACACCCCTCTCTTGAACCCCGGACCAACCCCGACACTATACCAACCCCT
 AGGGGACCCAGAAAGCAAGGCACACCACTCACACCCGCACACCGTAAATCCCAAAA
 TCCACCTCTCCACTCCCTACCACTCCCTCCACACCCACACCCAGATCTTCCCA
 CCCCCGCCCTCCCCACCACTCCCTCCGTCACCCCAACCCACACCCCTCTCAACCA
 CCACCTATCTCAATCCCCCACACCCCTCCCTCCCTAATACCAACCCGTCCTCCCT
 CTCAACCATCCACACCCCATGCACGCTTCCCTCCACCGCCCGTCTTACCCCTCTCC
 ACCCATGACCCCTCTCCCCACACCCGCCACCCCTCCCCACTCCCCACCTTCC
 CACTACCCACCCCAACCGACCACTCTCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_017875

Insert Size:

2090 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:	<u>NM_017875.1, NP_060345.1</u>
RefSeq Size:	2016 bp
RefSeq ORF:	915 bp
Locus ID:	54977
UniProt ID:	<u>Q96DW6</u>
Cytogenetics:	3p22.1
Domains:	mito_carr
Gene Summary:	This gene is a member of the mitochondrial carrier family. The encoded protein is required during erythropoiesis and is important for the biosynthesis of heme. Mutations in this gene are the cause of autosomal congenital sideroblastic anemia (anemia, sideroblastic, 2, pyridoxine-refractory). A related pseudogene is found on chromosome 1. [provided by RefSeq, Aug 2017]