

Product datasheet for **SC322457**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>OriGene sequence for SC322457 <pre> GCTGGGCCCAAGCGCCGTCGACGGCACCTGGGCCAGAGGACTCGCGGGCCTCATCTC CAATGATTCAAACTCACGTCCGTGCTGCAACCCCAAGATGTCGGAGACACGGTGG AAACGCTTATGTTACATCCGGTGATCAAGGCTTTCCTGTGTGGCTCCATCAGTGGGACCT GCTCTACCCTCCTTTTCAACCTCTGGATCTCCTTAAACACGCCCTACAAACCTCCAGC CCTCAGATCATGGGTCTAGACGTGTTGGGATGTTGGCTGTACTCTTGAAGGTGGTTCGCA CGGAGAGTCTTTTGGGCCTTTGGAAAGGGATGTCCCTTCCATTGTGAGATGTGTCCCTG GCGTTGGAATCTACTTTGGCACTCTCTACTCTTTGAAGCAGTATTCTTGCAGGCCATC CCCCAACCGCCCTGGAGTCAGTCATGCTGGGGTGGGCTCTCGCTCTGTTGCAGGGGTCT GTATGTACCTATCACTGTAATCAAGACGCGCTATGAGAGTGGGAAATATGGCTATGAGA GTATCTACGCTGCCCTGAGGAGCATCTATCACAGTGAGGGGCACCGGGCCTCTTCAGTG GCCTGACAGCAACTCTCCTTCGAGATGCGCCCTTCTCAGGAATCTACCTGATGTTTTACA ACCAGACCAAAAAATATAGTGCCTCATGACCAGGTGGATGCAACCCTTATTCCTATTACAA ATTTTCAGCTGTGGGATATTTGCTGGTATTCTGGCCTCACTGGTAACTCAACCTGCGGATG TTATCAAAACTCATATGCAGCTTTATCCACTGAAGTTTCAATGGATTGGCCAAGCAGTGA CACTTATTTTCAAAGACTATGGACTACGTGGCTTCTTCCAAGGTGGCATCCCCGAGCCC TCCGCAGAACTCTAATGGCAGCAATGGCGTGGACGGTGTATGAAGAGATGATGGCCAAGA TGGGCCTGAAGTCCTGACCAAGAGAGGACTGGGAACGGGTGAAATCTGTTGCCCTGCTTG GTTTCTGCCAAGGGCTGCTGCTTCTTACTATTCTGCAGTAAGATGAAGTCCTACCTGGAA AACCAGGCAGAAATTGTGTTGCCTTTGCCTTCAGTAATCCCTTAAGGAGAAAAATATAG GACCTGATTTTCAGCCTTCAGAATCTCCAAAAGAGGAGTCATCAATTCATAGAGCACACTA GGGTGTTAGGAGAGAGCTTTGCATACTCTGAGAGGCTACTTGGAAAGGCATTTTCCAGG AGAGCTCTGTCAAGTGGCTGCGCTTCAGCCCCACCCCTACACCACAGGGTCTCCTTGGGT ATGTTCTTGGGCAAGCAATCACAAAGCCAGAGAAGCTGTAAGCTGCCTGCCGGGCTGAG GAGCTCCAACCAGGGAAGACTGGATGTGAGGAGAGGAGTCACTGTCAACAGGTACAGAC TGACTGAGGTGATGGTAGGATGAGGAGGAACAGATGCCCTTCTTAATTGGTTCTCAGTT AACTTCTCAGAGGCTCTGGAGAACGGGACAGTGGCTTTCTAGCCTCTGAATGTTCCAAAT AAAATTTTTTGGTCTTGGCCCTGAAAAAAAAAAAAAAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_017875
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:	<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]