

Product datasheet for **SC322536**

SLC25A32 (NM_030780) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A32 (NM_030780) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A32
Synonyms:	GLYB; MFT; MFTC; RREI
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 SC322536
 GGTGGGGTTGCGCTCACAAAGGGGCGACCGTCGCCACGGTGGCGGGCCACTGCATCGCGTCC
 CACCTCCGCGGCCCTGGGCGCGTGGTGTGCGACGGGCCCCGAGCCTATGACGGGCCAGGG
 CCAGTCGGCGTCCGGGTGCTGCGCGTGGAGCACGGTATCCGCCACGTCCGGTATGAGAA
 CCTGATAGCGGGCGTGAGCGGCGCGCTTATCCAACCTTGCCTGCATCCGCTCGACCT
 CGTGAAGATCCGCTTCGCCGTGAGTGATGGATTGGAAGTACGAGCCGAAATATAATGGAAT
 TTTACATTGCTTGACTACCATTTGGAACTTGATGGACTACGGGGACTTTATCAAGGAGT
 AACCCCAATATATGGGGTGCAGGTTTATCCTGGGGACTCTACTTTTCTTTTACAATGC
 CATCAAGTCATATAAAACAGAAGGAAGCTGAACGTTTAGAGGCAACAGAATACCTTGT
 CTCAGCTGCTGAAGCTGGAGCCATGACCCTCTGCATTACAAACCCATTATGGGTAAACAA
 AACTCGCCTTATGTTACAGTATGATGCTGTTGTTAACTCCCCACACCGACAATATAAAGG
 AATGTTTGATACACTTGTGAAAATATATAAGTATGAAGGTGTGCGTGGATTATATAAGGG
 ATTTGTTCTGGGCTGTTTGGAAATCGCATGGTGCCTTCAGTTTATGGCATATGAATT
 GCTGAAGTTGAAGTACAACCAGCATATCAATAGATTACCAGAAGCCAGTTGAGCACAGT
 AGAATATATATCTGTTGCAGCACTATCCAAAATATTTGCTGTGCGAGCAACATACCCATA
 TCAAGTCGTAAGAGCTCGTCTTCAAGATCAACACATGTTTACAGTGGTGAATAGATGT
 AATCACAAGACATGGAGGAAAGAAGGCGTCGGTGGATTTTACAAGGGAATTGCTCCTAA
 TTTGATTAGAGTGAAGTCCAGCCTGCTGTATTACCTTTGTGGTATATGAAAACGCTCACA
 TTTTCTACTTGACCTTAGAGAAAAGAGAAAGTAAGCTCAAAGAGGACAATTCCAGTATAT
 CTGCCCCAAGGCAGCAACAAGCTCTTTTGTGTTAAGGCATAAAAGAAGAAATTCTGCATAG
 AAACATGGCTCATATTCGAAATTGCTCTATAGTCATTAGAAGCCAGAGAACTGCTAAGTC
 TCCTGCAATGTTTTCTGCTTTTGCCTTCCCCATATATATGAACTTGGCTACCTCTGC
 CTGAAATGGCTGCCATCAACACAATGTTAAACTGACACGAAGGATAGAGTTTCACAGAT
 TTCTACGTTTTATTGGTGAAGCTGATTTGCAACATTTGCTAAATGGATTAGATGAATGT
 ACTTCTTTTGTGAGCTTACTTGCTGGATTGCTTTAAATTAACCTTTGTGAATACCA
 AGAAAATAGCTCTTTAAAGAATGTCTTGTATGTCTCAAGGTAAATTAAGGATTTACTG
 AATAAGGTGTTGACCAATCCAGACCATTTTATTTATTTTTTTATTTATTTATTTTTTG
 AGATGGAGTCTTGCTTTGTCGCCAGGCTGGAGTGCAGTGGCGTGATCTCAGCTCACTGC
 AACCTCCACCTCCCGGTTTACGCCATTCTCCTGCCTCAGCTCCTGAGTAGCTGGGACT
 ACAGGCACCTGCCACCACGCTGGCTAACTTTTTTTTATTTTGTAGTAGAAATGGGGTT
 TCACCATGTTAGCCAGGATGGTCTCAATCTCCTGACCTTGTGATCCGCTGCCTTGGCCT
 CCCAAAGTGCTGGGATTACAGGCGTGAGGCACTGCGCCTGGCCAGACCATTTTAGAATTG
 GGAAATTTTGTGAGAAAAATGCACTGTAATATGCTTTAGTTTAAATTCAGTTGGGAT
 GCACTACCTAGCGAAAATTGAGAACTATATACTTCTCAGAGAAATATCTGACATCTATT
 GTCATTCCATTGCTATTTTTTTTCCCCAGAGACTTCCATAATTTAAAAATAAATCCTAGA
 TCCAGTTCTTGTTTTTGGCATAAATACTTAATCTATTTTAAATTTATAAAATCTGAGCT
 TCTAGGATCCAGCTGTGTCAACCTTTATTTAGCATATATAACTATAAATCACTTATTACA
 GATGCTAAATAGATCACCTTTTACAGATGCTGAAATGTTTGGGATATGTTTGTGACAAG
 GTAAATGGAAATGAGAACTTTTACTTCACTTTCAGATATATGGATCTAGATCCCAA
 TAAATGATTAATCTTCATTGGTTTCTCAAATTCAGGTTGAAATACAAATTAATAGCCTTT
 ATTGATTTTACTTTTATGAGTCATTGTAGACATCTATAAATATAAAAGGGCCTGTACCCA
 AAGGATGCCAGAATACTAGTATTTTTATTTATCGTAAACATCCACGAGTGCTGTTGCACT
 ACCATCTATTTGTTGTAATAAAAGTGTGTTTTCAAAGCCATCTTAAATAGTTCTTTA
 AAAATAGGTCTTTTTTTTATATTTTGGAAAAGGCATTGTTTTAAAGTAAAGATAAAATG
 GTAAGTACCTAATTGTATTTACTGTAATATCTTATAACATGCAGATGAATGCTTTATAAG
 TTAATATGATGTATTTTTTCTACTTCTGGATTATACTATAATTCATATGAAATCTTGA
 TATTAGTCCCCACACGAAAAAGTGAAGTGCAGTTGATATTTGGTGTAAAGATAGCACC
 ATTGTTTTAAATACCGCTATGTACTCCCAATGAATAAAACATAATTCTGTCTCTGAG
 AGCATAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:	NM_030780
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_030780.2, NP_110407.2</u>
RefSeq Size:	2840 bp
RefSeq ORF:	948 bp
Locus ID:	81034
UniProt ID:	<u>Q9H2D1</u>
Cytogenetics:	8q22.3
Domains:	mito_carr
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the P(I/L)W subfamily of mitochondrial carrier family transport proteins. The encoded protein transports folate across the inner mitochondrial membrane. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2013] Transcript Variant: This variant (1) encodes the functional protein.