

Product datasheet for **SC109458**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109458 sequence for NM_030780 edited (data generated by NextGen Sequencing)

ATGACGGGCCAGGGCCAGTCGGCGTCCGGGTCGNCGGCGTGGAGCACGGTATTCCGCCAC
 GTCCGGTATGAGAACCTGATAGCGGGCGTGAGCGCGGCGTCTTATCCAACCTTGCGCTG
 CATCCGCTCGACCTCGTGAAGATCCGCTTCGCCGTGAGTGATGGATTGGAAGTGAACCG
 AAATATAATGGAATTTTACATTGCTTGACTACATTTGGAACTTGATGGACTACGGGA
 CTTTATCAAGGAGTAACCCCAAATATATGGGGTGCAGGTTTATCCTGGGACTCTACTTT
 TTCTTTTACAATGCCATCAAGTCATATAAAACAGAAGGAAGAGCTGAACGTTTAGAGGCA
 ACAGAATACCTTGTCTCAGCTGCTGAAGCTGGAGCCATGACCCTCTGCATTACAAACCA
 TTATGGGTAACAAAACTCGCCTTATGTTACAGTATGATGCTGTTGTTAACTCCCCACAC
 CGACAATATAAGGAATGTTTGATACACTTGTGAAAATATATAAGTATGAAGGTGTGCGT
 GGATTATATAAGGATTTGTTCTGGGCTGTTTGAACATCGCATGGTGCCCTTCAGTTT
 ATGGCATATGAATTGCTGAAGTTGAAGTACAACAGCATATCAATAGATTACCAGAAGCC
 CAGTTGAGCACAGTAGAATATATATCTGTTGCAGCACTATCCAAAATATTTGCTGTCGCA
 GCAACATACCCATATCAAGTCGTAAGAGCTCGTCTTCAGGATCAACACATGTTTTACAGT
 GGTGTAATAGATGTAATCACAAAGACATGGAGGAAAGAAGGCGTCGGTGGATTTTACAAG
 GGAATTGCTCCTAATTTGATTAGAGTGAAGTCCAGCCTGCTGTATTACCTTTGTGGTATAT
 GAAAACGCTCACATTTTTTACTTGACCTTAGAGAAAAGAGAAAGTAA

Clone variation with respect to NM_030780.3

34 t=>n



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030780 unedited
 GCGTCTGTTATTTGTATACGACTCATATAGGGCGGCGCGAATTCGCACGGGGTTGCGCT
 CACAGGGGCGACCGTCGCCACGGTGGCGGCCACTGCATCGCGTCCACCTCCGCGGCCCT
 GGGCGCCGTGGTGTGACGGGCCCCGAGCCTATGACGGGCGAGGCCAGTCGGCGTCCGG
 GTCGTGCGCGTGGAGCACGGTATTCCGCCACGTCCGGTATGAGAACCTGATAGCGGGCGT
 GAGCGGCGGCGTCTTATCCAACCTTGCCTGCATCCGCTCGACCTCGTGAAGATCCGCTT
 CGCCGTGAGTGATGGATTGGAAGTGGAGCCGAAATATAATGGAATTTTACATTGCTTGAC
 TACCATTTGGAACTTGATGGACTACGGGACTTTATCAAGGAGTAACCCCAAATATATG
 GGGTGCAGGTTTATCCTGGGACTCTACTTTTTCTTTTACAATGCCATCAAGTCATATAA
 AACAGAAGGAAGAGCTGAACGTTTAGAGGCAACAGAATACCTTGTCTCAGCTGCTGAAGC
 TGGAGCCATGACCCTCTGCATTACAAACCCATTATGGGTAACAAAACTCGCCTTATGTT
 ACAGTATGATGCTGTTGTTAACTCCCCACACCGACNATATAAAGGAATGTTTGATACACT
 TGTGAAAATATATAAGTATGAAGGTGTGCGTGGATTATATAAGGGGATTGTTCTGGGCT
 GTTTGGAACATCGCATGGTGCCCTTCAGTTTATGGCATATGAATTGNNCTGAGTGAAGTC
 CACCCNGCATATCATAGATTACCAGAGCCAGTTGACACAGTAGATATATANTCTGTGCA
 GCACTATCCAAAATATTTGCTGTGCGAGCAACATACCCTATCAAGTCCGTAGAGCTCGTC
 TTCAGGATCAACACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_030780 unedited
 GCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTAAAAACAACACTTTTATTTACA
 ACAAATAGATGGTAGTGAACAGCACTCGTGGATGTTTACGATAAATAAAAACTAGTA
 TTCTGGCATCCTTTGGGTACAGGCCCTTTATATTTATAGATGTCTACAATGACTCATAA
 AAGTAAATCAATAAAGGCTATTAATTTGTATTTCAACCTGAATTTGAGAAACCAATGAA
 GATTAATCATTTATTTGGGATCTAGATCCATATATCTGAAAACCTGAAGTATAAAGTTTCT
 CATTTCCATTTACCTTGTCAACAAACATATCCCAAACATTTTCAAGCATCTGTAAAAGGTGA
 TCTATTTAGCATCTGTAATAAGTGATTTATAGTTATATATGCTAAATAAAGGTTGACACA
 GCTGGATCCTAGAAGCTCAGATTTTATAAATTTAAATAGATTAAGTATTTATGCCAAAA
 AACAGAAGTGGATCTAGGATTTTATTTTAAATTTGGAAGTCTCTGGGGAAAAAATA
 GCAATGGAATGACAATAGATGTCAGATATTTCTCTGAGAAGTATATAGTTTCTCAATTTT
 CGTAGGTAGTGCATCCCACTGAATTTAACTAAAGCATATTTACAGTGCATTTTTTCT
 CACTAAATTTCCCAATTTCTAAATGGTCTGGCCAGGCGCAGTGGCTCACGCCTGTAATC
 CCAGCACTTTGGGAGGCCAAGGCAGGCGATCACAAGGTCAAGGATTGAGACCATCCTG
 GCTACATGGTGAAACCCATTTCTACTCAAATATANAAAAAGTTACCCAGCGTGGTGGG
 CAGTGCCTGTAGTCCAGCTACTCAGAGGCTGAGGCAGAGATGGCGTGACCCCGAGGGTGA
 GCTGCATGAGCTGGATACGCACTGACTCAGCCTGGCACAAGCAGACTCTCTAAAAATAATA
 TAAAAATAATAATGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_030780

Insert Size:

2400 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_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.