

Product datasheet for **SC120603**

SLC25A46 (NM_138773) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A46 (NM_138773) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A46
Synonyms:	HMSN6B; PCH1E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120603 sequence for NM_138773 edited (data generated by NextGen Sequencing)

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ATGCATCCGCGGGCCCGGACGGATTGATGGCTTGGGCTACCGGGTGGTGCCCGGGAC
GAGCAGGGCTTTGGCGGGCCTTCCCTGCAAGGTCCTTACGACCGGGTCGGACCTGGGC
CACTGGGTGACGACTCCCCAGATATCCCCGGCAGCCGCAACCTGCACTGGGGCGAGAAG
AGCCCGCCCTACGGCGTCCACCACCTCCACCCGTACGAAGGCCCCACGGAGGAACCC
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GCTGGATTGGTATTGGACTTGAAGTCTCTTTACAGAAAATGTATTGGCACATCCTTGC
ATTGTTCTACGCCCAATGTCAGGTTAATTACCATGCTCAGCATTACCATCTCACTCCA
TTTACAGTCATCAATATTATGTACAGTTTCAACAAAACCTCAGGGACCTAGAGCCCTGTGG
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AGTGAATTTACACCTTTGCCAAGGGAGGTTTTACATAAATGGAGTCCTAAACAAATAGGA
GAACACCTTCTACTGAAATCCCTAACTTACGTGGTGGCAATGCCTTTTTTATTAGCAAGT
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CCAATTAATACACAATATGAGGGAAATGAGAGACTGTATCAATACCATAAGGCAGGAGGAA
GGAGTGTGTTGTTTTATAAAGGGTTTGGTGTGTTATAATACAGTACACACTGCATGCA
GCTGTTTTACAGATTACCAAAATTTACTCTACACTTCTTCAAATAACATTTGA

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Clone variation with respect to NM_138773.1
346 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138773 unedited TAGGCGGCCCGCAATTCGACGAGGAAGCTGTGTGTGCTTAGGTCGTGGTGGCCCCGGTG GGTGGTGGGCTCCGGGCGGGCTCGCGTCATCCTGCCCCGCTGCGATGCATCCGCGGCGC CCGGACGATTTGATGGCTTGGGCTACCGGGTGGTGCCTGGGACGAGCAGGGCTTTGGC GGCGCCTTCCCTGCAAGTCTTTCAGCACCGGGTGGACCTGGGCCACTGGGTGACGACT CCCCAGATATCCCCGGCAGCCGCAACCTGCACTGGGGCGAGAAGAGCCCCGCCCTACGGC GTGCCCACCACCTCCACCCCGTACGAAGGCCCCACGGAGGAACCCTTTTCCAGTGGCGGC GGCGGCAGTGTGCAGGGCAGAGCAGTGAACAGCTGAATAGATTTGCTGGATTTGGTATT GGACTTGCAAGTCTCTTTACAGAAAATGATTGGCACATCCTTGCATTGTTCTACGCCGC CAATGTCAGGTTAATTACCATGCTCAGCATTACCATCTCACTCCATTTACAGTCATCAAT ATTATGTACAGTTTCAACAAAACCTCAGGGACCTAGAGCCCTGTGGAAAGGAATGGAAAGT ACATTTATTGTCCAGGGAGTCACTTGGAGCAGAAGGCATAATTAGTGAATTTACACCT TTGCCAAGGGAGGTTTTACATAAATGGAGTCTAAACAAATANGAGAACACCTTCTACTG AAATCCCTAACTTACGTGGTGGCAATGCCTTTTTATTTCAGCAAGTCTGATTGAAACAGTG CAGAGTGAGATAATTCGAGATATACTGGCATTTTGGAGTGTGTTAAGAAGAATGGNAGA ATGATAGCATGGGNATG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_138773 unedited GGTATTTACTATGNACCGCGNCCGCATTCTANGATCGAGTTTTTTTTTTTTTTTGT TATTTTCGACATTTTATTGAACTTTTCATATTACACAATTTACCCAAAACATTTAAAGTAA CAGTAAGACAACTTAAAAAAAAAAAAAGTCATACAGACAAAACATCTCTAGGTGAGGCAA TATGTAATTTTCATTGTCAAATCATGATTTTGTACTCTGCTATACTTGGTACCATA TCAATGCTACTAAATGACTCAAGAGTAAGACATTATGCATTCCGTTTATATGAGAAAAAG AGATTATTTACAACACTTTGAAAGAGAAAACAGAAATGCCAACAACAGTATCATTCAAATT CTAGTGCAATGTCAATTGTTACCAAGAGATCTTATTTGCTTATATAAATTTTGCAAATAA TTCAAACCTGGCTATCTTATTAGAAGCTGACAAAGTATGCTTTTCTGTTGCAAAAAGATCA GTGGACAAAAATCCTCCACAACCTCAGCTGATAAAAACAAATTTAAGCAGCATTTTTTTTT TCCATTTCTGAACAGATGTAATACTTAGGTAGAAACACTAAAGCATTGTACTCAA TCAATAAAGTGAATGCTTTGTGCAGTTTAAACAAAGCTGCTGCTAAAAAGACAGTTGTGA GTGGTCAGGTATATCTGCAATAGTAAGCAAGTCTTACCTTTCCAGTTCTGTATGCTTCT GAAAACACCGCTAAGGTATTAATACCCATTTTCAGTGACCTTGTTTTTACCATTTCAA TTATGACATCTAGTGTGAGATTCTGGGCTTTAAAAAATACCTCATAACCCAGAAAATT TTTTTGAAGCCCTTAATAAATGAGAAGGGCTTTCGGGAAAAGTCCCCTATATGTTTTAG
Restriction Sites:	NotI-NotI
ACCN:	NM_138773
Insert Size:	4700 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: [NM_138773.1](#), [NP_620128.1](#)

RefSeq Size: 2358 bp

RefSeq ORF: 1257 bp

Locus ID: 91137

UniProt ID: [Q96AG3](#)

Cytogenetics: 5q22.1

Domains: mito_carr

Gene Summary: This gene encodes a mitochondrial solute carrier protein family member. It functions in promoting mitochondrial fission, and prevents the formation of hyperfilamentous mitochondria. Mutation of this gene results in neuropathy and optic atrophy. [provided by RefSeq, Aug 2016]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.