

Product datasheet for **SC322378**

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



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Fully Sequenced ORF: >OriGene sequence for SC322378
 CTTAGGTCGTGGTGGCCCCGGTGGTGGTGGGCTCCGGGCGGGCTCGCGTCATCCTGCCCC
 CGCTGCGATGCATCCGCGGCGCCCGGACGGATTGATGGCTTGGGCTACCGGGGTGGTGC
 CCGGGACGAGCAGGGCTTTGGCGGCGCCTTCCCTGCAAGGTCTTCAGCACCGGGTCGGA
 CCTGGGCCACTGGGTGACGACTCCCCAGATATCCCCGGCAGCCGCAACCTGCACTGGGG
 CGAGAAGAGCCCCCCTACGGCGTGCCACACCTCCACCCGTACGAAGGCCCCACGGA
 GGAACCCCTTTCCAGTGGCGGCGGCGCAGTGTGCAGGGGCAGAGCAGTGAACAGCTGAA
 TAGATTTGCTGGATTTGGTATTGGACTTGCAAGTCTCTTTACAGAAAATGTACTGGCACA
 TCCTTGCAATTGTTCTACGCCCAATGTCAGGTTAATTACCATGCTCAGCATTACCATCT
 CACTCCATTTACAGTCATCAATATTATGTACAGTTTCAACAAAACCTCAGGGACCTAGAGC
 CCTGTGGAAGGAATGGGAAGTACATTTATTGTCCAGGGAGTCACACTTGGAGCAGAAGG
 CATAATTAGTGAATTTACACCTTTGCCAAGGGAGGTTTTACATAAATGGAGTCTAAACA
 AATAGGAGAACACCTTCTACTGAAATCCCTAAGTGTGGTGGCAATGCCTTTTTATTTC
 AGCAAGTCTGATTGAAACAGTGCAGAGTGAGATAATTCGAGATAATACTGGCATTGTGA
 GTGTGTTAAAGAAGGAATTGGAAGAGTGATAGGCATGGGAGTGCCTCATAGCAAACGACT
 TCTTCCGCTTCTTCTCTGATCTTCCCTACGGTGCCTCATGGAGTTCTTATTACATCAT
 CAGCTCAGTTATTCAGAAGTTTGTCTACTAATTCTAAAGAGAAAAGACTTACAATAGCCA
 CCTAGCTGAGAGCACTAGCCCTGTGCAGAGTATGTTGGATGCTTATTTCCAGAATTAT
 TGCTAACTTTGCTGCCAGTCTTTGTTCTGACGTTATACTTTACCCATTGGAAACAGTTTT
 GCACCGCCTTCACATTCAAGGAACACGCACAATAATTGACAATACAGACCTTGGCTATGA
 AGTGCTTCCAATTAATACACAATATGAGGAATGAGAGACTGTATCAATACCATAAGGCA
 GGAGGAAGGAGTGTGTTGTTTTATAAAGGTTTTGGTGTGTTATAATACAGTACACACT
 GCATGCAGCTGTTTTACAGATTACCAAAATTATTTACTCTACACTTCTTCAAAATAACAT
 TTGATTTTAGGTTCTTCACTGAGTAGTCTGGAAGATATAATCTGGATAATTTGCTATG
 AAGTTATGAGGGATACAAGTAAATACTGGGAAGAAAATGGATTGGAAGTAAATTTGG
 TACTAAAGCCATACTGATTATCTTGACTTTGTTTTTAAAGCATAGGTATATATTTTG
 ATCAAAATCCTTCCAAATTTGAAAACCAATAAAAAATAACACTTATTAATTTCTAGTTAG
 TGTAGCACTCATGCTGAAGTAAACATGATCGTAGGCAGAAGCAAAATTTTATTATAAAAT
 CTAAACAAAACCTTTATAGAGTTGAATCTATTCCATCTGACTTCAATATTTGCCAAACGT
 TTATTTTACCTCCTAGATTGATGTTGGTATAGTATCCTTAATACAGTGTAGTATATTAAT
 GTCCTTAATACAATCAGGAGTTTTTACCTTTAAGCAAAATAAATTATGTCATTATTGAAA
 AAGACTTAAGGGATGATTAGACTTGGCAATCTGTAAGCAGGAGTATAAATGTTTTAAAT
 GCATTGTCCTATGTAACATATCTTAATGGCTATATATGTATTTTATAAAGCCATTAT
 GTATACACATGTAACCTTGAATTTCTTCATCCCTACACATTTTCTACACTTACATCACC
 TTATTGCATAAAACAAAGTCACGCGCTTCTGCTTGAACATCAAAATATCAAAAACCAAG
 GTACCCAAAAGATACAAGTCAGAGACAACATCCTTGTCCATATCCAAACCCAGTGTTC
 GTGCTAGCAACTAATTTCTCATACATTTATAGAGTTTGGTTTGGCTTGTAGTTGTGTG
 AATCATTGGGCTGTTTTAGAGCCACTGTTAAGAGAGAATATAAAATAATCATGACAATT
 ACTACTGTTTCCACATTTACAAATTGTGTACTTAAATGAACCTCATTTCCCTTTTATTTT
 TGAATGGCTTGTCTGAGAGGAAACAAAATTAATTCATCTGGGAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_138773

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_138773.1</u> , <u>NP_620128.1</u>
RefSeq Size:	2358 bp
RefSeq ORF:	1257 bp
Locus ID:	91137
UniProt ID:	<u>Q96AG3</u>
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.