

Product datasheet for SC117432

BCS1L (NM_004328) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCS1L (NM_004328) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCS1L
Synonyms:	BCS; BCS1; BJS; FLNMS; GRACILE; h-BCS; h-BCS1; Hs.6719; MC3DN1; PTD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117432 sequence for NM_004328 edited (data generated by NextGen Sequencing)

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ATGCCACTTTTCAGACTTTATTCTGGCTCTGAAGGACAATCCCTACTTTGGGGCTGGATT
GGGCTGGTGGGTGTGGGCACAGCCCTGGCCCTGGCCCGGAAGGGTGTCCAAGTGGCCCTG
GTGGCATTCCGGCGCCATTACATGATCACAAGTCCCTGCTCGAGACAGGAGCTAT
GCCTGGTTGCTTAGCTGGCTCACCCGCCACAGTACCCGTAAGTCTCAGCACCTCAGTGTGAG
ACTTCGTACCTTCAGCATGAGAGTGGCCGCATTTCCACTAAGTTTGAATTTGCCCCAGC
CCTGGAACCATTTTATCTGGTATCGGGGGAAATGGATTGGGTAGAACGAAGTCGAGAG
ATGCAGATGATAGACTTGCAGACGGGGACTCCTGGGAATCTGTCACCTCACGGCCCTG
GGCACTGACCGAAAGTTTTCTCAACATCCTGGAGGAAGCTCGAGAGCTAGCCTTGCAG
CAGGAGGAAGGAAGACCGTGATGTACACAGCTGTGGGCTCTGAATGGCGTCCCTTTGGC
TATCCACGCCCGCGGCGACCACTGAATTTGTGGTTCTACAACAGGGTCTGGCTGACCGA
ATTGTCAGAGACGTCCAGGAATTCATCGATAACCCCAAGTGGTACACTGACAGAGGCATT
CCTTACAGACGTGGCTACCTGCTTTATGGGCCCCCTGGTTGCGGAAAGAGCAGTTTTATC
ACAGCCCTGGCTGGGAACTGGAGCACAGCATCTGCCTGCTGAGCCTCACGGACTCCAGC
CTCTCTGATGACCGACTCAACCACCTGCTGAGCGTGGCCCCGAGCAGAGCCTGGTACTC
CTGGAGGATGTGGATGCTGCTTTTCTCAGTCGAGACTTGGCTGTGGAGAACCAGTAAAG
TACCAAGGCCTAGGTGCGCTCACCTTCAGTGGACTGCTCAATGCCTTGGATGGTGTGGCT
TCCACCGAGGCCGCATCGTGTTCATGACCACCAACACGTTGACAGGCTGGACCCCTGCC
CTGATACGCCCGGGCGAGTGGACCTGAAGGAGTACGTGGGCTACTGCTCACACTGGCAG
CTGACCCAGATGTTCCAGAGTTCTATCCAGGGCAGGCACCTTCCCTTAGCTGAGAATTT
GCAGAACATGCTCTCGAGCTACAAACCAGATCAGTCCTGCCAGGTGCAGGGCTACTTC
ATGCTGTATAAAAATGACCCTGTAGGGCAATTCACAATGCTGAGTCTCTGAGGAGGTGA

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Clone variation with respect to NM_004328.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004328 unedited</p> <p>NGGCAGTCAGAATTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACCAAATCGAGA CCGGAGGGCCAGAGAGTACGCGCGGTTTTTCGTAACACCCAGGCCTGTAAGGTTTGGTGTT TCCCTTCAAGATGCCACTTTCAGACTTATTCTGGCTCTGAAGGACAATCCCTACTTTG GGGCTGGATTTGGGCTGGTGGGTGTGGGCACAGCCCTGGCCCTGGCCCGAAGGGTGTCC AACTGGGCCTGGTGGCATTCCGGCGCCATTACATGATCACACTGGAAGTCCCTGCTCGAG ACAGGAGCTATGCCTGGTTGCTTAGCTGGCTCACCCGCCACAGTACCCGTAICTCAGCACC TCAGTGTGAGACTTCGTACCTTCAGCATGAGAGTGGCCGATTTCCACTAAGTTTGAAT TTGTCCCCAGCCCTGGAAACCATTTTATCTGGTATCGGGGAAATGGATTGCGGTAGAAC GAAGTCGAGAGATGCAGATGATAGACTTGCAGACGGGGACTCCTTGGAATCTGTACCT TCACGGCCCTGGGCACTGACCGAAAGGTTTTCTCAACATCCTGGAGGAAGCTCGAGAGC TAGCCTTGCAGCAGGAGGAAGGGAAGACCGTGATGTACACAGCTGTGGGCTCTGAATGGC GTCCTTTGGCTATCCACGCCCGCGGACCCTGAATTCTGTGGTTCTACAACAGGGTC TGGCTGACCGAATTGTCAGAGACGTCCAGGAAATTCATCGATACCCCAAGTGGTACTG ACANGAGCATTCTTACAGACGTGGCTACCTGCTTTATGGCCCNCTNNGGTGCGAAAGA CAGTTTTATCACAGCCCTGGNCTGGGAAGTGGAGCACAGCATCTGN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004328 unedited</p> <p>AAGTAAAACCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGTGGGGCAAATGTTTATTGAG CTAAAGGAAGAAAGCTGAACTGAGCCAGCCTGATCACCTCCTCAAAAACCAACATTGT GAATTGCCCTACAGGGTCATTTTTATACAGCATGAAGTAACCCCTGCACCTGGGCAGGAC TGATCTGGTTTGAACCTGAAAGACATGTTCTGCAAAGTTCTCAACTAAAGAAGGTGCCCT GCCCTGGATAAAACCTCTGGAACATCTGGGTGAGCTGCCAGTGTGAGCAGTAGCCACGT ACTCCTTCAGGTCCACTCGCCCGGGCGTATCAAGGCAGGGTCCAGCCTGTCAACGTGGT TGGGGGTGATGAACACGATGCGGGCCTCGGTGGAAGCCACACCATCCAAGGCATTGAGCA GTCCACTGAAGGTGAGGCGACCTAAGCCTTGGTACTTTACTGGGTTCTCCACAGCCAAGT CTCGACTGAAAAAAGCAGCATCCACATCCTCCAAGAGTACCAGGCTCTGTGCGGGGCCA CGCTCAACAAGTGGTTGAGTCGGTCATCAAAGAGGCTGGAGTCCGTGAGGCTCAACAAGC AGATGCTGTGCTCCAGTCCCCAGCCAGGGCTGTGATAAACTGCTCTTTCCGCAACCAG GGGGCCATAAAGCAAGTAGCCACGTCTGTAAGGAATGCCTCTGTGAGTGTACCATTGG GGTTATCGATGAATTCTGGACGTCTGACAATTCGGTCAGCCAGACCCTGGTGTAGGA CCACAAAATTCAGTGGTCCCCGGCCGCGTGGATAGCCAAAGGGACCCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004328
Insert Size:	1500 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_004328.3](#), [NP_004319.1](#)

RefSeq Size: 1603 bp

RefSeq ORF: 1260 bp

Locus ID: 617

UniProt ID: [Q9Y276](#)

Cytogenetics: 2q35

Domains: AAA

Protein Families: Druggable Genome

Gene Summary: This gene encodes a homolog of the *S. cerevisiae* bcs1 protein which is involved in the assembly of complex III of the mitochondrial respiratory chain. The encoded protein does not contain a mitochondrial targeting sequence but experimental studies confirm that it is imported into mitochondria. Mutations in this gene are associated with mitochondrial complex III deficiency and the GRACILE syndrome. Several alternatively spliced transcripts encoding two different isoforms have been described. [provided by RefSeq, Jan 2016]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1, 2, 3, 4, 5, and 7 all encode the same isoform (a).