

Product datasheet for RC232688

BCS1L (NM_001257343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCS1L (NM_001257343) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BCS1L
Synonyms:	BCS; BCS1; BJS; FLNMS; GRACILE; h-BCS; h-BCS1; Hs.6719; MC3DN1; PTD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232688 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACTTTCAGACTTTATTCTGGCTCTGAAGGACAATCCCTACTTTGGGGCTGGATTTGGGCTGGTGG
GTGTGGGCACAGCCCTGGCCCTGGCCCGGAAGGGTGTCCAACCTGGGCCTGGTGGCATTCCGGCGCCATTA
CATGATCACACTGGAAGTCCCTGCTCGAGACAGGAGCTATGCCTGGTTGCTTAGCTGGCTACCCGCCAC
AGTACCCGTAAGTACTCAGCACCTCAGTGTGAGACTTCGTACCTTCAGCATGAGAGTGGCCGCATTTCCACTA
AGTTTGAATTTGTCCCGAGCCCTGGAAACCATTTATCTGGTATCGGGGAAATGGATTCGGGTAGAACG
AAGTCGAGAGATGCAGATGATAGACTTGCAGACGGGACTCCTTGGGAATCTGTCACCTTACGGCCCTG
GGCACTGACCGAAAGGTTTTCTCAACATCCTGGAGGAAGCTCGAGAGCTAGCCTTGCAGCAGGAGGAAG
GGAAGACCGTGATGTACACAGCTGTGGGCTCTGAATGGCGTCCCTTTGGCTATCCACGCCCGCGGAC
ACTGAATCTGTGGTTCTACAACAGGGTCTGGCTGACCGAATTGTGAGAGACGTCCAGGAATTCATCGAT
AACCCCAAGTGGTACACTGACAGAGGCATTCTTACAGACGTGGCTACCTGCTTTATGGGCCCTGGTT
GCGGAAAGAGCAGTTTTATCACAGCCCTGGCTGGGAACTGGAGCACAGCATCTGCCTGCTGAGCCTCAC
GGACTCCAGCCTCTGATGACCGACTCAACCACCTGCTGAGCGTGGCCCGCAGCAGAGCCTGGTACTC
CTGGAGGATGTGGATGCTGCTTTTCTCAGTCGAGACTTGGCTGTGAGAAACCCAGTAAGTACCAAGGCC
TAGGTCGCCTCACCTTCACTGGACTGCTCAATGCCTTGGATGGTGTGGCTTCCACCGAGGCCGCATCGT
GTTTCATGACCACCAACCAGTTGACAGGCTGGACCCTGCCTGATACGCCCGGGCGAGTGGACCTGAAG
GAGTACGTGGGCTACTGCTCACACTGGCAGCTGACCCAGATGTTCCAGAGTTCTATCCAGGGCAGGCAC
CTTCCTTAGCTGAGAAGTTTGCAGAATGTCCTTCGAGCTACAAACCAGATCAGTCTGCCAGGTGCA
GGGCTACTTCATGCTGTATAAAATGACCCTGTAGGGCAATTCACAATGCTGAGTCTCTGAGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001257343.2](#)

RefSeq Size: 1636 bp

RefSeq ORF: 1260 bp

Locus ID: 617

UniProt ID: [Q9Y276](#)

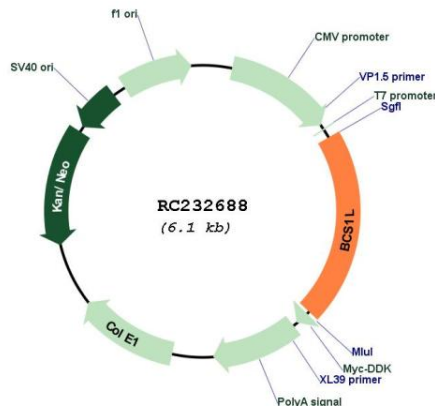
Cytogenetics: 2q35

Protein Families: Druggable Genome

MW: 47.5 kDa

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]

Product images:



Circular map for RC232688