

# Recombinant Full Length Human BCS1L Protein, GST-tagged

**Cat. No.** BCS1L-1559HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human BCS1L full-length ORF ( NP_004319.1, 1 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 419 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene encodes a homolog of the <i>S. cerevisiae</i> 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. Two alternatively spliced transcripts encoding the same protein have been described. [provided by RefSeq] |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 73.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MPLSDFILAL KDNPYFGAGF GLVGVGTALA LARKGVQLGL VAFRRHYMIT<br>LEVPARDRSY AWLLSWLTRH STRTQHLSVE TSYLQHESGR ISTKFEFVPS<br>PGNHFIWYRG KWIRVERSRE MQMIDLQTGT PWESVTFTAL GTDRKVFFNI<br>LEEARELALQ QEEGKTVMYT AVGSEWRPFG YPRRRRPLNS VVLQQGLADR                                                                                                                                                                                                                                                                                              |

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IVRDVQEFID NPKWYTDRGI PYRRGYLLYG PPGCGKSSFI TALAGELEHS  
ICLLSLTDSS LSDDRLNHLL SVAPQQSLVL LEDVDAAFLS RDLAVENPVK  
YQGLGRLTFS GLLNALDGVA STEARIVFMT TNHVDRLDPA LIRPGRVDLK  
EYVGYCSHWQ LTQMFQRFYP GQAPSLAENF AEHVL RATNQ ISPAQVQGYF  
MLYKNDPVGA IHNAESLRR

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** BCS1L BCS1-like (S. cerevisiae) [ Homo sapiens ]

**Official Symbol** BCS1L

**Synonyms** BCS1L; BCS1-like (S. cerevisiae); BCS1 (yeast homolog) like , BCS1 like (yeast); mitochondrial chaperone BCS1; BCS; Bjornstad syndrome; BJS; GRACILE syndrome; h BCS; Hs.6719; h-BCS1; BCS1-like protein; mitochondrial complex III assembly; PTD; BCS1; FLNMS; h-BCS; GRACILE

**Gene ID** 617

**mRNA Refseq** NM\_001079866

**Protein Refseq** NP\_001073335

**MIM** 603647

**UniProt ID** Q9Y276

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