

Recombinant Full Length Human BCS1L Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human BCS1L full-length ORF (NP_004319.1, 1 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	419 amino acids
Description	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]
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	73.9 kDa
AA Sequence	MPLSDFILAL KDNPYFGAGF GLVGVGTALA LARKGVQLGL VAFRRHYMIT LEVPARDRSY AWLLSWLTRH STRTQHLSVE TSYLQHESGR ISTKFEFVPS PGNHFIWYRG KWIRVERSRE MQMIDLQTGT PWESVTFTAL GTDRKVFFNI 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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