

Recombinant Human BCS1L Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BCS1L-5566H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BCS1L MS Standard C13 and N15-labeled recombinant protein (NP_004319) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. Several alternatively spliced transcripts encoding two different isoforms have been described.
Molecular Mass	47.5 kDa
AA Sequence	MPLSDFILALKDNPYFGAGFGLVGVGTALALARKGVQLGLVAFRRHYMITLEV PARDRSYAWLLSWLTRHSTRTQHLSVETSYLQHESGRISTKFEFVPSPGNHFIWYRGKWI RVERSREMQMIDLQTGTPWESVTFTALGTDRKVFFNILEEARELALQQEEGKTVMY TAVGSEWRPFPGYPRRRRPLNSVVLQQGLADRIVRDVQEFIDNPKWYTDRGIPYRRG YLLYGPPGCGKSSFITALAGELEHSICLLSLTDSSLSDRLNHLLSVAPQQSLVLLED VDAAFLSRDLAVENPVKYQGLGRLTFSGLLNALDGVASTEARIVFMTTNHVDRLDPA LIRPGRVDLKEYVGYCSHWQLTQMFQRFYPGQAPSLAENFAEHVLRATNQISPAQV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QGYFMLYKNDPVGAIHNAESLRRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name BCS1L BCS1 homolog, ubiquinol-cytochrome c reductase complex chaperone [Homo sapiens (human)]

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

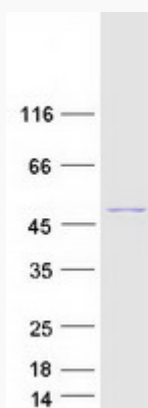
mRNA Refseq NM_004328

Protein Refseq NP_004319

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MIM 603647**UniProt ID** Q9Y276**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA