

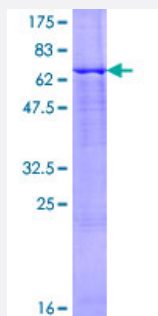
Full-Length

BCS1L (Human) Recombinant Protein (P01)

Catalog # H00000617-P01

Size 2 ug

Applications



Specification

Product Description

Human BCS1L full-length ORF (NP_004319.1, 1 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPLSDFILALKDNPYFGAGFGLVGVGTALALARKGVQLGLVAFRRHYMITLEVPARDRSYAWLLS
WLTRHSTRTQHLSVETSYLQHESGRISTKFEFVPSPGNHFWYRGKWIRVERSREMQMIDLQTGTP
WESVTFTALGTRKVFNFIL EEARELALQQEEGKTVMYTAVGSEWRPFGYPRRRRPLNSVVLQQ
GLADRVRDVQEFIDNPKWYTDGIPYRRGYLLYGPPGCGKSSFITALAGELEHSICLLSLTDSSLS
DDRLNHLLSVAPQQSLVLLEDVDA AFLSRDLAVENPVKYQGLGRLTFSGLLNALDGVASTEARM
FMTTNHVDRLDPALIRPGRVDLKEYVGYCSHWQLTQMFQRFYPGQAPSLAENFAEHVLRATNQIS
PAVQGYFMLYKNDPVGAIHNAESLRR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BCS1L

Entrez GeneID [617](#)

GeneBank Accession# [NM_004328.3](#)

Protein Accession# [NP_004319.1](#)

Gene Name BCS1L

Gene Alias BCS, BCS1, BJS, FLNMS, GRACILE, Hs.6719, PTD, h-BCS

Gene Description BCS1-like (yeast)

Omim ID [124000](#) [256000](#) [262000](#) [603358](#) [603647](#)

Gene Ontology [Hyperlink](#)

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. Two alternatively spliced transcripts encoding the same protein have been described. [provided by RefSeq

Other Designations BCS1-like|BCS1-like protein|OTTHUMP00000164147|mitochondrial chaperone BCS1|mitochondrial complex III assembly