

Recombinant Human BCS1L, His-tagged

Cat. No. BCS1L-26667TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 236-418 of Human BCS1L with N terminal His tag; 183 amino acids, 21kDa.
Species	Human
Source	E.coli
ProteinLength	236-418 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 71 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

KSSFITALAGELEHSICLLSLTDSSLSDRLNHLLSVAPQ QSLVLLEDVDAAFLSRDL
 AVENPVKYQGLGRLTFSGLL NALDGVASTEARIVFMTTNHVDRLDPALIRPGRVDLK
 EYV GYCSHWQLTQMFQRFYPGQAPSLAENFAEHVLRATNQI SPAQVQGYFMLYK
 NDPVGAIHNAESLR

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;

Gene ID 617

mRNA Refseq NM_001079866

Protein Refseq NP_001073335

MIM 603647

Uniprot ID Q9Y276

Chromosome Location 2q35

Function ATP binding; nucleoside-triphosphatase activity; nucleotide binding; protein binding;

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