

BCS1L (Center) Blocking peptide
Synthetic peptide
Catalog # BP19415c

Specification

BCS1L (Center) Blocking peptide - Product Information

Primary Accession [Q9Y276](#)

BCS1L (Center) Blocking peptide - Additional Information

Gene ID 617

Other Names

Mitochondrial chaperone BCS1, h-BCS1, BCS1-like protein, BCS1L, BCS1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BCS1L (Center) Blocking peptide - Protein Information

Name BCS1L

Synonyms BCS1

Function

Chaperone necessary for the assembly of mitochondrial respiratory chain complex III. Plays an important role in the maintenance of mitochondrial tubular networks, respiratory chain assembly and formation of the LETM1 complex.

Cellular Location

Mitochondrion inner membrane; Single-pass membrane protein

Tissue Location

Ubiquitous..

BCS1L (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

BCS1L (Center) Blocking peptide - Images

BCS1L (Center) Blocking peptide - Background

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].

BCS1L (Center) Blocking peptide - References

Moran, M., et al. Hum. Mutat. 31(8):930-941(2010) Gil-Borlado, M.C., et al. Mitochondrion 9(5):299-305(2009) Ramos-Arroyo, M.A., et al. Clin. Genet. 75(6):585-587(2009) Blazquez, A., et al. Neuromuscul. Disord. 19(2):143-146(2009) Tamai, S., et al. J. Cell. Sci. 121 (PT 15), 2588-2600 (2008) :