

Product Information

MemDX™ Membrane Protein Human BCS1L (BCS1 homolog, ubiquinol-cytochrome c reductase complex chaperone) Full Length

Cat. No.: **MPC4183K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human BCS1L membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

BCS1L

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MPLSDFILALKDNPYFGAGFGLVGVGTALALARKGVQLGLVAFRRHYMIT
LEVPARDRSYAWLLSWLTRHSTRTQHLSVETSYLQHESGRISTKFEFVPS
PGNHFIWYRGKWIRVERSREMQMIDLTGTPWESVTFTALGTDKRVFFNI
LEEARELALQQEEGKTVMYTAVGSEWRPFGYPRRRRPLNSVVLQQGLADR
IVRDVQEFIDNPKWYTDRGIPYRRGYLLYGPPGCGKSSFITALAGELEHS
ICLLSLTDSSLDDRLNHLLSVAPQQSLVLLEDVDAFLSRDLAVENPVK
YQGLGRLTFSGLLNALDGVASTEARIVFMTTNHVDRLDPALIRPGRVDLK
EYVGYSCHWQLTQMFQRFYPGQAPSLAENFAEHVLRATNQISPAQVQGYF
MLYKNDPVGAIHNAESLRR

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

BCS1L

Full Name

BCS1 homolog, ubiquinol-cytochrome c reductase complex chaperone

Introduction

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. Several alternatively spliced transcripts encoding two different isoforms have been described.

Alternative Names

BCS1L; BCS; BJS; PTD; BCS1; FLNMS; h-BCS; MC3DN1; h-BCS1; GRACILE; Hs.6719; mitochondrial chaperone BCS1; BC1 (ubiquinol-cytochrome c reductase) synthesis-like; BCS1-like protein; mitochondrial complex III assembly; BCS1 homolog, ubiquinol-cytochrome c reductase complex chaperone

Gene ID

[617](#)

UniProt ID

[Q9Y276](#)