Vitamin B12 Import System Permease Protein Btuc (btuC) Escherichia Coli O139:h28 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vitamin B12 import system permease protein BtuC (btuC), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O139:H28 Vitamin B12 import system permease protein BtuC (btuC), partial
Product Gene Name	btuC recombinant protein
Sequence	MLTLARQQQR QNIRWLLCLS VLMLLALLLS LCAGEQWISP GDWFSPRGEL FVWQIRLPRT LAVLLVGAAL AISGAVMQAL FENPLAEPGL LGVSNGAGVG LIAAVLLGQG QLPNWALGLC AIAGALIITL ILLRFARRHL STSRLLLAGV ALGIICSALM TWAIYFSTSV DLRQLMYWMM GGFGGVDWRQ SWLMLALIPV LLWICCQSRP MNMLALGEIS ARQLGLPLWF WRNVLVAATG WMVGVSVALA GAIGFIGLVI PHILRLCGLT DHRVLLPGCA LAGASALLLA DVVARLALAA AELPIGVVTA TLGAPVFIWL LLKAGR
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	34,921 Da
Sequence Positions	1-326
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A7ZMH9
Species	Escherichia coli O139:H28 (strain E24377A / ETEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for btuC recombinant protein	MBS1136852 is a recombinant protein targeting btuC. Also known as Recombinant Escherichia coli O139:H28 Vitamin B12 import system permease protein BtuC (btuC), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of btuC recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for btuC. It may not necessarily be applicable to this product.

NCBI GI #	446879263
NCBI Accession #	WP_000956519.1
UniProt Primary Accession #	A7ZMH9
GenBank Nucleotide #	WP_000956519.1

NCBI Official Full Name	MULTISPECIES: vitamin B12 import system permease BtuC
UniProt Protein Name	Vitamin B12 import system permease protein BtuC
Protein Family	Cobalamin import system permease protein
UniProt Gene Name	btuC
UniProt Comments for btuC	Part of the ABC transporter complex BtuCDF involved in vitamin B12 import. Involved in the translocation of the substrate across the membrane.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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