Vitamin B12 Import ATP-Binding Protein Btud (btuD) Vibrio Cholerae Serotype O1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vitamin B12 import ATP-binding protein BtuD (btuD), Recombinant Protein
Full Product Name	Recombinant Vibrio cholerae serotype O1 Vitamin B12 import ATP-binding protein BtuD (btuD)
Product Gene Name	btuD recombinant protein
Sequence	MIRVNSLQVD SRLLPLSLQA NAGEVWHVIG PNGCGKSTLL AALAGMIPFS GSVQVGGLNV SQASLSELAR HRAYLAQNDK PSFQLHVFQY LALSVPANVA LERSEVASEI DQISRLLNID DKLHRSIHQL SGGEWQRVRL AGSCLQVSPV LNPSARLLIW DEPAAPLDIA QESLLYRLIE RMAGQGLTVI MANHDLNRTL RHADQVLLLS RGVLYRAGSA KEVLTQEVLQ SVFGTSIRRV ELEGHPHLLF D
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	27,526 Da
Sequence Positions	1-251, Full length
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 A5F1V0
Species	Vibrio cholerae serotype O1 (strain 39541 / Ogawa 395 / O395)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for btuD recombinant protein	MBS1256430 is a recombinant protein targeting btuD. Also known as Recombinant Vibrio cholerae serotype O1 Vitamin B12 import ATP-binding protein BtuD (btuD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of btuD 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 btuD. It may not necessarily be applicable to this product.

NCBI GI #	446544501
NCBI Accession #	WP_000621847.1
UniProt Primary Accession #	A5F1V0
UniProt Secondary Accession #	C3M006
GenBank Nucleotide #	WP_000621847.1

NCBI Official Full Name	vitamin B12 import ATP-binding protein BtuD
UniProt Protein Name	Vitamin B12 import ATP-binding protein BtuD
UniProt Synonym Protein Names	Vitamin B12-transporting ATPase
Protein Family	Cobalamin import ATP-binding protein
UniProt Gene Name	btuD
UniProt Comments for btuD	Part of the ABC transporter complex BtuCDF involved in vitamin B12 import. Responsible for energy coupling to the transport system.
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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