Vitamin B12 Transporter Btub (btuB) Vibrio Parahaemolyticus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vitamin B12 transporter BtuB (btuB), Recombinant Protein
Full Product Name	Recombinant Vibrio parahaemolyticus Vitamin B12 transporter BtuB (btuB), partial
Product Gene Name	btuB recombinant protein
Product Synonym Gene Name	btuB
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	69,317 Da
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 Q87KN9
Species	Vibrio parahaemolyticus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for btuB recombinant protein	MBS1477159 is a recombinant protein targeting btuB. Also known as Recombinant Vibrio parahaemolyticus Vitamin B12 transporter BtuB (btuB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of btuB 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 btuB. It may not necessarily be applicable to this product.

NCBI GI #	28899712
NCBI GeneID	1190524
NCBI Accession #	NP_799317.1
UniProt Primary Accession #	Q87KN9
UniProt Related Accession #	Q87KN9
GenBank Nucleotide #	NC_004603.1
NCBI Official Full Name	vitamin B12 receptor
NCBI Official Symbol	VP2938
UniProt Protein Name	Vitamin B12 transporter BtuB

UniProt Synonym Protein Names	Cobalamin receptor
Protein Family	Vitamin B12 transporter
UniProt Gene Name	btuB
NCBI Protein Information	vitamin B12 receptor
UniProt Comments for btuB	Involved in the active translocation of vitamin B12 (cyanocobalamin) across the outer membrane to the periplasmic space. It derives its energy for transport by interacting with the trans-periplasmic membrane protein TonB.
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