Vitamin B12-Binding Protein (btuF) Salmonella Paratyphi A Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vitamin B12-binding protein (btuF), Recombinant Protein
Full Product Name	Recombinant Salmonella paratyphi A Vitamin B12-binding protein (btuF)
Product Gene Name	btuF recombinant protein
Product Synonym Gene Name	btuF
Sequence	APRVITLSPA NTELAFAAGI TPVGVSSYSD YPPEAQKIEQ VSTWQGMNLE RIVALKPDLV VAWRGGNAER QVNQLTSLGI KVMWVDAVSI EQIADALRQL AVWSPQPEKA QQAAQTLLNE YAALKVEYAG KAKKRVFLQF GMNPLFTSGK GSIQHQVLTT CGGENIFADS RVPWPQVSRE QVLARHPQAI IVAGKAGEIL KIEQYWGNLL KIPVIPLNSD WFERASPRII LAAKQLCNAL SQVN
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	29,324 Da
Sequence Positions	23-266, 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 Q5PD47
Species	Salmonella paratyphi A (strain 9150 / SARB42)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for btuF recombinant protein	MBS1410709 is a recombinant protein targeting btuF. Also known as Recombinant Salmonella paratyphi A Vitamin B12-binding protein (btuF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of btuF 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 btuF. It may not necessarily be applicable to this product.

NCBI GI #	447041581
NCBI Accession #	WP_001118837.1
UniProt Primary Accession #	Q5PD47
GenBank Nucleotide #	WP_001118837.1
NCBI Official Full Name	cobalamin-binding protein

UniProt Protein Name	Vitamin B12-binding protein
Protein Family	Cobalamin-binding protein
UniProt Gene Name	btuF
UniProt Comments for btuF	Part of the ABC transporter complex BtuCDF involved in vitamin B12 import. Binds vitamin B12 and delivers it to the periplasmic surface of BtuC.
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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