Glutamate/Glutamine/Aspartate/Asparagine Transport ATP-Binding Protein Bztd (bztD) Rhodobacter Capsulatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamate/glutamine/aspartate/asparagine transport ATP-binding protein BztD (bztD), Recombinant Protein
Full Product Name	Recombinant Rhodobacter capsulatus Glutamate/glutamine/aspartate/asparagine transport ATP-binding protein BztD (bztD)
Product Gene Name	bztD recombinant protein
Product Synonym Gene Name	bztD
Sequence	MSEPSYDHQV DRSHMQVSDE IAIQISQMNK WYGQFHVLRD INLTVHRGER IVIAGPSGSG KSTMIRCINR LEEHQSGKII VDGIELTSDL KNIDKVRSEV GMVFQHFNLF PHLTILENLT LAPIWVRKVP KREAEETAMY YLEKVKIPEQ AQKYPGQLSG GQQQRVAIAR SLCMKPKIML FDEPTSALDP EMIKEVLDTM IQLAEEGMTM LCVAHEMGFA QAVANRVIFM ADGQIVEQNN PHDFFRNPQS ERTKQFLSQI LGH
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	30,002 Da
Sequence Positions	1-263, Full length protein
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 Q52666
Species	Rhodobacter capsulatus (strain BAA-309 / NBRC 16581 / SB1003)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bztD recombinant protein	MBS1360096 is a recombinant protein targeting bztD. Also known as Recombinant Rhodobacter capsulatus Glutamate/glutamine/aspartate/asparagine transport ATP-binding protein BztD (bztD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bztD 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 bztD. It may not necessarily be applicable to this product.

NCBI GI #	502831107
NCBI Accession #	WP_013066083.1
UniProt Primary Accession #	Q52666

UniProt Secondary Accession #	D5AM33
GenBank Nucleotide #	WP_013066083.1
NCBI Official Full Name	glutamate/glutamine/aspartate/asparagine transport ATP-binding protein BztD
UniProt Protein Name	Glutamate/glutamine/aspartate/asparagine transport ATP-binding protein BztD
Protein Family	Glutamate/glutamine/aspartate/asparagine transport ATP-binding protein
UniProt Gene Name	bztD
UniProt Comments for bztD	Part of a binding-protein-dependent transport system for glutamate, glutamine, aspartate, asparagine. Probably 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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