Riboflavin Biosynthesis Protein Ribba (ribBA) Bacteroides Thetaiotaomicron Recombinant Protein

PRODUCT OVERVIEW

Product Name	Riboflavin biosynthesis protein ribBA (ribBA), Recombinant Protein
Full Product Name	Recombinant Bacteroides thetaiotaomicron Riboflavin biosynthesis protein ribBA (ribBA)
Product Gene Name	ribBA recombinant protein
Product Synonym Gene Name	ribBA
Sequence	MEEIKMDRIE DAIADFKEGK FVIVVDDEDR ENEGDLIIAA EKITPEKVNF MLKHARGVLC APITVSRCKE LDLPHQVSDN TSVLGTPFTV TIDKLEGCST GVSASDRAAT IQALADPAST PATFGRPGHI NPLYAQEKGV LRRAGHTEAT IDMARLAGLY PAGALMEIMS DDGTMARLPE LRAMADEHGL KLISIHDLIA YRLKQESIVE KGVEVNMPTE HGMFRLIPFR QKSNGLEHMA IFKGTWNEDE PILVRVHSSC ATGDILGSHR CDCGEQLHKA MEMIEKEGKG VVVYLNQEGR GIGLMEKMKA YKLQEDGMDT VDANLCLGHL ADERDYGVGA QILRELGVHK MKLLTNNPVK RVGLEAYGLE IVENVPVETV PNPYNERYLR TKKERMGHTL HFNK
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	44,823 Da
Sequence Positions	1-404, 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 Q8A528
Species	Bacteroides thetaiotaomicron (strain 29148 / DSM 2079 / 10582 / E50 / VPI-5482)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ribBA recombinant protein	MBS1307005 is a recombinant protein targeting ribBA. Also known as Recombinant Bacteroides thetaiotaomicron Riboflavin biosynthesis protein ribBA (ribBA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ribBA 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 ribBA. It may not necessarily be applicable to this product.

NCBI GI #	29347826
NCBI GeneID	1073662
NCBI Accession #	NP_811329.1

UniProt Primary Accession #	Q8A528
UniProt Related Accession #	Q8A528
GenBank Nucleotide #	NC_004663.1
NCBI Official Full Name	GTP cyclohydrolase II
NCBI Official Symbol	BT_2416
UniProt Protein Name	Riboflavin biosynthesis protein RibBA
UniProt Synonym Protein Names	GTP cyclohydrolase II
Protein Family	Riboflavin biosynthesis protein
UniProt Gene Name	ribBA
UniProt Synonym Gene Names	DHBP synthase
NCBI Protein Information	GTP cyclohydrolase II
UniProt Comments for ribBA	Catalyzes the conversion of D-ribulose 5-phosphate to formate and 3,4-dihydroxy-2-butanone 4-phosphate.
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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