Riboflavin Biosynthesis Protein Ribba (ribBA) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Riboflavin biosynthesis protein ribBA (ribBA), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Riboflavin biosynthesis protein ribBA (ribBA)
Product Gene Name	ribBA recombinant protein
Product Synonym Gene Name	ribBA
Sequence	MQFDNIDSAL MALKNGETII VVDDENRENE GDLVAVTEWM NDNTINFMAK EARGLICAPV SKDIAQRLDL VQMVDDNSDI FGTQFTVSID HVDTTTGISA YERTLTAKKL IDPSSEAKDF NRPGHLFPLV AQDKGVLARN GHTEAAVDLA KLTGAKPAGV ICEIMNDDGT MAKGQDLQNF KEKHQLKMIT IDDLIEYRKK LEPEIEFKAK VKMPTDFGTF DMYGFKATYT DEEIVVLTKG AIRQHENVRL HSACLTGDIF HSQRCDCGAQ LESSMKYINE HGGMIIYLPQ EGRGIGLLNK LRAYELIEQG YDTVTANLAL GFDEDLRDYH IAAQILKYFN IEHINLLSNN PSKFEGLKQY GIDIAERIEV IVPETVHNHD YMVTKKIKMG HLI
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	44,148 Da
Sequence Positions	1-393, 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 Q7A511
Species	Staphylococcus aureus (strain N315)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ribBA recombinant protein	MBS1439030 is a recombinant protein targeting ribBA. Also known as Recombinant Staphylococcus aureus 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 #	447081781
NCBI Accession #	WP_001159037.1
UniProt Primary Accession #	Q7A511

GenBank Nucleotide #	WP_001159037.1
NCBI Official Full Name	MULTISPECIES: riboflavin biosynthesis protein RibBA
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
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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