GTP Cyclohydrolase-2 (ribA) Recombinant Protein

PRODUCT OVERVIEW

Product Name	GTP cyclohydrolase-2 (ribA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6:K15:H31 GTP cyclohydrolase-2 (ribA)
Product Gene Name	ribA recombinant protein
Product Synonym Gene Name	ribA
Sequence	MQLKRVAEAK LPTPWGDFLM VGFEELATGH DHVALVYGDI SGHTPVLARV HSECLTGDAL FSLRCDCGFQ LEAALTQIAE EGRGILLYHR QEGRNIGLLN KIRAYALQDQ GYDTVEANHQ LGFAADERDF TLCADMFKLL GVNEVRLLTN NPKKVEILTE AGINIIERVP LIVGRNPNNE HYLDTKAEKM GHLLNK
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	21,850 Da
Sequence Positions	1-196, 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 Q0TI88
Species	Escherichia coli O6:K15:H31 (strain 536 / UPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ribA recombinant protein	MBS1406642 is a recombinant protein targeting ribA. Also known as Recombinant Escherichia coli O6:K15:H31 GTP cyclohydrolase-2 (ribA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ribA 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 ribA. It may not necessarily be applicable to this product.

NCBI GI #	447099038
NCBI Accession #	WP_001176294.1
UniProt Primary Accession #	Q0TI88
GenBank Nucleotide #	WP_001176294.1
NCBI Official Full Name	MULTISPECIES: GTP cyclohydrolase II
UniProt Protein Name	GTP cyclohydrolase-2

UniProt Synonym Protein Names	GTP cyclohydrolase II
Protein Family	GTP cyclohydrolase
UniProt Gene Name	ribA
UniProt Comments for ribA	Catalyzes the conversion of GTP to 2,5-diamino-6-ribosylamino-4(3H)-pyrimidinone 5'-phosphate (DARP), formate and pyrophosphate.
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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