Riboflavin Kinase (ribK) Haloquadratum Walsbyi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Riboflavin kinase (ribK), Recombinant Protein
Full Product Name	Recombinant Haloquadratum walsbyi Riboflavin kinase (ribK)
Product Gene Name	ribK recombinant protein
Product Synonym Gene Name	ribK
Sequence	MAESTTAVGH DELAALKFVA LEGAHSEPIK ISCSELSDRL DASSQTASRR LQRLEAAGYL DRDVVTDGQW VSLTKAGETA LHKEYTQYQE IFGDNSSVVE LTGTVTSGMG EGRHYISLSG YMKQFRERLG YEPFPGTLNI DLDDDSTRTR VAVSSLTGIQ IDGWEDDERT FGPATCYPAE IILAEQTAEA AHIIVPERTH HDETQLEVIA PERLRDSLEL TDGQRITVQL KPKE
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	25,870 Da
Sequence Positions	1-234, 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 Q18FC4
Species	Haloquadratum walsbyi (strain DSM 16790)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ribK recombinant protein	MBS1404688 is a recombinant protein targeting ribK. Also known as Recombinant Haloquadratum walsbyi Riboflavin kinase (ribK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ribK 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 ribK. It may not necessarily be applicable to this product.

NCBI GI #	499891705
NCBI Accession #	WP_011572439.1
UniProt Primary Accession #	Q18FC4
GenBank Nucleotide #	WP_011572439.1
NCBI Official Full Name	riboflavin kinase

UniProt Protein Name	Riboflavin kinase
UniProt Synonym Protein Names	CTP-dependent riboflavin kinase; CTP:riboflavin 5'-phosphotransferase; Flavokinase
UniProt Gene Name	ribK
UniProt Synonym Gene Names	RFK
UniProt Comments for ribK	Catalyzes the CTP-dependent phosphorylation of riboflavin (vitamin B2) to form flavin mononucleotide (FMN).
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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