Ribokinase (rbsK) Bacillus Halodurans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribokinase (rbsK), Recombinant Protein
Full Product Name	Recombinant Bacillus halodurans Ribokinase (rbsK)
Product Gene Name	rbsK recombinant protein
Product Synonym Gene Name	rbsK
Sequence	MKTPNITVVG SINMDMVTIT DVVPVQGETV LGKDFRTVPG GKGANQAVAA ARLGANVRMI GRVGDDPFGH VLTENLAKEG IITDSVKPVT DCTSGVATIL LSDRDNRIIV TKGANEHVTP DYVAAFEQEL AASDVVLLQL EIPLETVAYV LEFCAKHHVT TVLNPAPAQK LPDAAWTDAT YISPNENECL QLFGDEPDAN LRQKLIMTKG ADGVQFYEND EQVQVESFRV EPVDTTGAGD TFNGAFAVAL GGGTVKEAVR FANAAAALSV QSFGAQGGMP TKAQVQSFLQ EQGG
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	31,089 Da
Sequence Positions	1-294, Full length
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 Q9K6K1
Species	Bacillus halodurans (strain BAA-125 / DSM 18197 / FERM 7344 / JCM 9153 / C-125)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rbsK recombinant protein	MBS1397939 is a recombinant protein targeting rbsK. Also known as Recombinant Bacillus halodurans Ribokinase (rbsK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rbsK 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 rbsK. It may not necessarily be applicable to this product.

NCBI GI #	499202313
NCBI Accession #	WP_010899853.1
UniProt Primary Accession #	Q9K6K1
GenBank Nucleotide #	WP_010899853.1
NCBI Official Full Name	ribokinase

UniProt Protein Name	Ribokinase
Protein Family	Ribokinase
UniProt Gene Name	rbsK
UniProt Synonym Gene Names	RK
UniProt Comments for rbsK	Catalyzes the phosphorylation of ribose at O-5 in a reaction requiring ATP and magnesium. The resulting D-ribose-5-phosphate can then be used either for sythesis of nucleotides, histidine, and tryptophan, or as a component of the pentose phosphate pathway.
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