Galactokinase (galK) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Galactokinase (galK), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Galactokinase (galK)
Product Gene Name	galK recombinant protein
Product Synonym Gene Name	galK
Sequence	MTVSYGAPGR VNLIGEHTDY NLGFALPIAL PRRTVVTFTP EHTGAITARS DRADGSARIP LDTTPGQVTG WAAYAAGAIW ALRGAGHPVP GGAMSITSDV EIGSGLSSSA ALIGAVLGAV GAATGTRIDR LERARLAQRA ENDYVGAPTG LLDHLAALFG APKTALLIDF RDITVRPVAF DPDACDVVLL LMDSRARHRH AGGEYALRRA SCERAAADLG VSSLRAVQDR GLAALGAIAD PIDARRARHV LTENQRVLDF AAALADSDFT AAGQLLTASH ESMREDFAIT TERIDLIAES AVRAGALGAR MTGGGFGGAV IALVPADRAR DVADTVRRAA VTAGYDEPAV SRTYAAPGAA ECC
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	37,572 Da
Sequence Positions	1-363, 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 Q7U1L7
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for galK recombinant protein	MBS1416159 is a recombinant protein targeting galK. Also known as Recombinant Mycobacterium bovis Galactokinase (galK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of galK 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 galK. It may not necessarily be applicable to this product.

NCBI GI #	31791802
NCBI GeneID	1091737
NCBI Accession #	NP_854295.1
UniProt Primary Accession #	Q7U1L7

UniProt Secondary Accession #	A0A1R3XW07; X2BFN2
UniProt Related Accession #	Q7U1L7
GenBank Nucleotide #	NC_002945.3
NCBI Official Full Name	galactokinase
NCBI Official Symbol	galK
UniProt Protein Name	Galactokinase
UniProt Synonym Protein Names	Galactose kinase
Protein Family	Galactokinase
UniProt Gene Name	galK
NCBI Protein Information	PROBABLE GALACTOKINASE GALK (GALACTOSE KINASE)
UniProt Comments for galK	Catalyzes the transfer of the gamma-phosphate of ATP to D-galactose to form alpha-D-galactose-1-phosphate (Gal-1-P).
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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