Homoserine Kinase (thrB) Streptococcus Equi Subsp. Equi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Homoserine kinase (thrB), Recombinant Protein
Full Product Name	Recombinant Streptococcus equi subsp. equi Homoserine kinase (thrB)
Product Gene Name	thrB recombinant protein
Sequence	MKIRVPATSA NLGPGFDSMG IAVSKYLEVD ILEERDQWFI EHDLGDIPND DSNLLIQTAL RLAPNIPAHR LKMTSDIPLA RGLGSSSSVI VAGIELANQL GHLNLTDDRK LAIATRIEGH PDNVAPAIFG QLVIASQIGK DVDYIIAPFP DLSLVCFIPD YELKTSDSRD VLPKQLSYKQ AVAASSVANL AIAALLTGNL KKAGRAIEND QFHEIYRQRL VREFQPIKRA AAANGAYATY LSGAGPAIMV MCPNKKKMAI YEAIEQLGLI GQLVSLELDR QGLCLV
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	31,026 Da
Sequence Positions	1-286, 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 C0MA57
Species	Streptococcus equi subsp. equi (strain 4047)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for thrB recombinant protein	MBS1218567 is a recombinant protein targeting thrB. Also known as Recombinant Streptococcus equi subsp. equi Homoserine kinase (thrB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of thrB 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 thrB. It may not necessarily be applicable to this product.

NCBI GI #	501964329
NCBI Accession #	WP_012679528.1
UniProt Primary Accession #	C0MA57
GenBank Nucleotide #	WP_012679528.1
NCBI Official Full Name	homoserine kinase
UniProt Protein Name	Homoserine kinase

Protein Family	Homoserine kinase
UniProt Gene Name	thrB
UniProt Synonym Gene Names	HK; HSK
UniProt Comments for thrB	Catalyzes the ATP-dependent phosphorylation of L-homoserine to L-homoserine 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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