Homoserine Kinase (THR1) Candida Albicans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Homoserine kinase (THR1), Recombinant Protein
Full Product Name	Recombinant Candida albicans Homoserine kinase (THR1)
Product Gene Name	THR1 recombinant protein
Product Synonym Gene Name	THR1
Sequence	MSVTSFKIKV PASSANIGPG FDVLGIGLQL YLTITVTIDP SIDTSSDPHH ALLSYEGDGK VPFESNENLI TQTALYVMRC NGIKDFPRGT HIHVNNPIPL GRGLGSSASA IVAGVYLGNE IGNLKLDKYR LLDYCLMIER HPDNIAAAML GGFIGSYLNE LSSEDSQLIT VPLDYILPKV KNGELITPQN KIVSQQPPNN IGQYVEYKWN KKIKCLTIIP NFELSTDLSR SVLPKNYQLP DIVYNLQRIA ILTTALTQDP PNHKVIYQSM KDKLHQPYRF GLIPGLNTVL QKITPESYPG LCGICLSGAG PTILCLATDG FEKIANDVIE IFKQEGIECD SKLLDLAYDG ATVEYGS
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	39,130 Da
Sequence Positions	1-357, 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 Q92209
Species	Candida albicans (strain SC5314 / MYA-2876) (Yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for THR1 recombinant protein	MBS1334555 is a recombinant protein targeting THR1. Also known as Recombinant Candida albicans Homoserine kinase (THR1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of THR1 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 THR1. It may not necessarily be applicable to this product.

NCBI GI #	1111957054
NCBI GeneID	3641572
NCBI Accession #	XP_716762.2
UniProt Primary Accession #	Q92209
UniProt Secondary Accession #	Q5A523; A0A1D8PN04

UniProt Related Accession #	Q92209
GenBank Nucleotide #	XM_711669.2
NCBI Official Full Name	homoserine kinase
NCBI Official Symbol	THR1
UniProt Protein Name	Homoserine kinase
Protein Family	Trihydroxynaphthalene reductase
UniProt Gene Name	THR1
UniProt Synonym Gene Names	HK; HSK
NCBI Protein Information	homoserine kinase
UniProt Comments for THR1	Catalyzes the ATP-dependent phosphorylation of L-homoserine to L-homoserine phosphate.
Research Articles on THR1	**1.** Various proteasome and ubiquitin pathway components that either when mutated or present in high copy numbers suppressed the thr1Delta mutant homoserine toxicity, were indentified.
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