Serine/Threonine-Protein Kinase BUD32 (BUD32) Kluyveromyces Lactis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serine/threonine-protein kinase BUD32 (BUD32), Recombinant Protein
Full Product Name	Recombinant Kluyveromyces lactis Serine/threonine-protein kinase BUD32 (BUD32)
Product Gene Name	BUD32 recombinant protein
Product Synonym Gene Name	BUD32; KLLA0A09625g
Product Synonym Names	Serine/threonine-protein kinase BUD32; EC=2.7.11.1
Sequence	MSAEIIASIA DVLTDNIPLT PISQGAEAVV FTSPVHPYLP KNRTDGDDKL YILKYRPEKK YRHPVIDKTL TKHRTLGESR LLAKLRLIDG LNVPKLIGCD PYHGCIWLEF LGEDLPNGHG FSNLKNFLWM NASDPYSDLV RDTMINVGKQ IGLMHWNDYC HGDLTTSNIV LVRAGEDWQP YLIDFGLGSI STLVEDKGVD LYVLERAIIS THSSFANRYN LWVLEGFKSV FESHGKAGLG KYKDLIRRFE EVRLRGRKRS MIG
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	29,818 Da
Sequence Positions	1-263aa; 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 Q6CXB9
Species	Kluyveromyces lactis (strain 8585 / CBS 2359 / DSM 70799 / NBRC 1267 / NRRL Y-1140 / WM37) (Yeast) (Candida sphaerica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BUD32 recombinant protein	MBS1388334 is a recombinant protein targeting BUD32. Also known as Recombinant Kluyveromyces lactis Serine/threonine-protein kinase BUD32 (BUD32). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BUD32 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 BUD32. It may not necessarily be applicable to this product.

NCBI GI #	50302965
NCBI GeneID	2896318
NCBI Accession #	XP_451420.1

UniProt Primary Accession #	Q6CXB9
UniProt Related Accession #	Q6CXB9
GenBank Nucleotide #	XM_451420.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	KLLA0A09625g
UniProt Protein Name	EKC/KEOPS complex subunit BUD32
UniProt Synonym Protein Names	Atypical serine/threonine protein kinase BUD32 (EC:2.7.11.1)
Protein Family	EKC/KEOPS complex
UniProt Gene Name	BUD32
UniProt Entry Name	BUD32_KLULA
NCBI Protein Information	hypothetical protein
UniProt Comments for BUD32	Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t6A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. BUD32 has ATPase activity in the context of the EKC/KEOPS complex and likely plays a supporting role to the catalytic subunit KAE1. The EKC/KEOPS complex also promotes both telomere uncapping and telomere elongation. The complex is required for efficient recruitment of transcriptional coactivators ().
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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