Cell Cycle Serine/Threonine-Protein Kinase Hsk1 (hsk1) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell cycle serine/threonine-protein kinase hsk1 (hsk1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Cell cycle serine/threonine-protein kinase hsk1 (hsk1), partial
Product Gene Name	hsk1 recombinant protein
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	58,408 Da
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 P50582
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hsk1 recombinant protein	MBS1233940 is a recombinant protein targeting hsk1. Also known as Recombinant Schizosaccharomyces pombe Cell cycle serine/threonine-protein kinase hsk1 (hsk1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hsk1 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 hsk1. It may not necessarily be applicable to this product.

NCBI GI #	19113119
NCBI GeneID	2541165
NCBI Accession #	NP_596328.1
UniProt Primary Accession #	P50582
UniProt Secondary Accession #	O94678
GenBank Nucleotide #	NM_001022249.2
NCBI Official Full Name	Dbf4(Dfp1)-dependent protein kinase Hsk1
NCBI Official Symbol	hsk1
UniProt Protein Name	Cell cycle serine/threonine-protein kinase hsk1

UniProt Synonym Protein Names	Cdc7-related kinase; Minichromosome maintenance protein kinase
Protein Family	Cell cycle serine/threonine-protein kinase
UniProt Gene Name	hsk1
NCBI Protein Information	Dbf4(Dfp1)-dependent protein kinase Hsk1
UniProt Comments for hsk1	Required for G1/S transition. Plays a role in DNA replication checkpoint signaling through regulating rad3 and cds1. Involved in the maintenance of mitotic chromosome structures during S phase through regulating the function of rad21. Required for initiation of mitotic DNA replication through phosphorylating mcm2/cdc19. Required for genome integrity.
Research Articles on hsk1	**1.** REVIEW: Hsk1/Cdc7, with its unique target specificity, can now be regarded as an important modulator of various chromosome transactions
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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