Casein Kinase II Subunit Beta-1 (ckb-1) Neurospora Crassa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Casein kinase II subunit beta-1 (ckb-1), Recombinant Protein
Full Product Name	Recombinant Neurospora crassa Casein kinase II subunit beta-1 (ckb-1)
Product Gene Name	ckb-1 recombinant protein
Product Synonym Gene Name	ckb-1
Sequence	MSSSSGVPES WIASFCSLLG HEYFAEVSEE FIEDDFNLTG LQTQVAMYKE ALEMILDVEP EDDDDEEEED EEDEEDMSGG DGINKPHGER RHHSRIASDL SVIESSAEML YGLIHQRFIC SRAGIQQMSE KYELGHFGIC PRTNCNQTRT LPVGLSDTPG EDTVKLFCPS CLDVYVPPNS RFQTVDGAFF GRTFGALFLM TFPEYDLTKT GAESVSNLTR SGSDDTTVIN GMYARNIAPG LGRGKIYQPK IYGFKVSEIA RSGPRMQWLR SKPDDLSVLD EARRYAEQQG SDDEDESMGV SSRTASRRRG PPRRQKQNGS PMAIEQNGAE SEL
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	37,107 Da
Sequence Positions	1-333, 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 Q8TG12
Species	Neurospora crassa (strain 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ckb-1 recombinant protein	MBS1483012 is a recombinant protein targeting ckb-1. Also known as Recombinant Neurospora crassa Casein kinase II subunit beta-1 (ckb-1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ckb-1 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 ckb-1. It may not necessarily be applicable to this product.

NCBI GI #	85097481
NCBI GeneID	3876626
NCBI Accession #	XP_960447.1
UniProt Primary Accession #	Q8TG12
UniProt Secondary Accession #	Q7S6V4

UniProt Related Accession #	Q8TG12
GenBank Nucleotide #	XM_955354.3
NCBI Official Full Name	casein kinase II regulatory subunit
NCBI Official Symbol	ckb-1
NCBI Official Synonym Symbols	chr; ckb1
UniProt Protein Name	Casein kinase II subunit beta-1
Protein Family	Choline kinase
UniProt Gene Name	ckb-1
UniProt Synonym Gene Names	ckb1; CK II beta-1
NCBI Protein Information	casein kinase II regulatory subunit
UniProt Comments for ckb-1	Plays a complex role in regulating the basal catalytic activity of the alpha subunit.
Research Articles on ckb-1	**1.** Study identified casein kinase 2 (CK2) as a key regulator of temperature compensation of the Neurospora clock by determining that 2 long-standing clock mutants, chrono and period-3, encode the beta1 and alpha subunits of CK2, respectively.
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