Protein BUR2 (BUR2) Kluyveromyces Lactis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein BUR2 (BUR2), Recombinant Protein
Full Product Name	Recombinant Kluyveromyces lactis Protein BUR2 (BUR2)
Product Gene Name	BUR2 recombinant protein
Product Synonym Gene Name	BUR2; KLLA0F13134g
Product Synonym Names	Protein BUR2
Sequence	MVLSASEEIA NSQPSGNGKT SLDIKQNEGN PQFNPRNLWP DIIKCPKNEW TFEYTDIIKR LGTDEEKIQL TKKRMEKCLM YFHKLRKEMK LFDHTYTAAC ILFYRYWYKY DLPPTIPQCI HLAQAILVTA CKTMENNRPT DHYIKATCDF MMKDGPSPTG QKLNVEKLKW EVRDQLVSYE KKVLCQLGFD LDIDNPKELI EEIFSGYYRH VRDTDIDASL REIFPVILQE ARNFIIQTGT QPISLLCDGY TLVALALIFA GVTFQKNKEP GFSFPHNFFR RRFPVIITSE IIASLFSHYQ QLEKAFFDLK SNKNSALSIT VDEIDKVIDE DRQLDPEPFN PYDYDIIKEG EVNEELLNYT ERKIEELSNR IMSERSIKRP SEPPAEQATK KPRF
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	46,015 Da
Sequence Positions	1-394aa; 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 Q6CK68
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 BUR2 recombinant protein	MBS1470178 is a recombinant protein targeting BUR2. Also known as Recombinant Kluyveromyces lactis Protein BUR2 (BUR2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BUR2 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 BUR2. It may not necessarily be applicable to this product.

NCBI GI #	50311293
NCBI GeneID	2895964
NCBI Accession #	XP_455671.1

UniProt Primary Accession #	Q6CK68
UniProt Related Accession #	Q6CK68
GenBank Nucleotide #	XM_455671.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	KLLA0F13134g
UniProt Protein Name	Protein BUR2
Protein Family	Protein
UniProt Gene Name	BUR2
UniProt Entry Name	BUR2_KLULA
NCBI Protein Information	hypothetical protein
UniProt Comments for BUR2	Component of the BUR kinase complex involved in transcription regulation. This complex phosphorylates the UBC2/RAD6 ubiquitin-conjugating enzyme (E2), leading to monoubiquitination of histone H2B and the silencing of telomeric-associated genes. Also required for histone H3 methylation. Necessary for the recovery from pheromone-induced growth arrest in the cell cycle G1 phase. The kinase activity of the complex requires the presence of BUR2. Overexpression of BUR2 interferes with mitotic chromosome segregation ().
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