Cell Cycle Protein Gpsb (gpsB) Lactobacillus Plantarum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell cycle protein GpsB (gpsB), Recombinant Protein
Full Product Name	Recombinant Lactobacillus plantarum Cell cycle protein GpsB (gpsB)
Product Gene Name	gpsB recombinant protein
Product Synonym Gene Name	gpsB
Sequence	MAKRNFTPKD ILQKEFKPKM RGYDPADVDG FLDNVIKDYE SFTKDNQQLS DENERLRAKV DELTKQVAVG ATSPSSQPTS TVTNMDILKR LSNLERHVFG AQLDNNQNES HRL
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	12,926 Da
Sequence Positions	1-113, 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 Q88W95
Species	Lactobacillus plantarum (strain BAA-793 / NCIMB 8826 / WCFS1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gpsB recombinant protein	MBS1306470 is a recombinant protein targeting gpsB. Also known as Recombinant Lactobacillus plantarum Cell cycle protein GpsB (gpsB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gpsB 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 gpsB. It may not necessarily be applicable to this product.

NCBI GI #	489734656
NCBI Accession #	WP_003638751.1
UniProt Primary Accession #	Q88W95
UniProt Secondary Accession #	F9UPA8
GenBank Nucleotide #	WP_003638751.1
NCBI Official Full Name	MULTISPECIES: cell division regulator GpsB

UniProt Protein Name	Cell cycle protein GpsB
UniProt Synonym Protein Names	Guiding PBP1-shuttling protein
Protein Family	Cell cycle protein
UniProt Gene Name	gpsB
UniProt Comments for gpsB	Divisome component that associates with the complex late in its assembly, after the Z-ring is formed, and is dependent on DivIC and PBP2B for its recruitment to the divisome. Together with EzrA, is a key component of the system that regulates PBP1 localization during cell cycle progression. Its main role could be the removal of PBP1 from the cell pole after pole maturation is completed. Also contributes to the recruitment of PBP1 to the division complex. Not essential for septum formation.
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