# Cell Cycle Protein Gpsb (gpsB) Lactobacillus Sakei Subsp. Sakei Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cell cycle protein GpsB (gpsB), Recombinant Protein |
| **Full Product Name** | Recombinant Lactobacillus sakei subsp. sakei Cell cycle protein GpsB (gpsB) |
| **Product Gene Name** | gpsB recombinant protein |
| **Product Synonym Gene Name** | gpsB |
| **Sequence** | MDNQLEIELN PTEILKKEFK SKMRGYDPEE VDGYLDLVIK DYQTYQENID RLTADNTRLF NKVEELNRQL SASDSVKEVK PQQASAATNY DILKRLSNLE RHVFGAKLSD QNGAAQTRVQ NHSQFD |
| **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** | 14,565 Da |
| **Sequence Positions** | 1-126, 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 Q38X59 |
| **Species** | Lactobacillus sakei subsp. sakei (strain 23K) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for gpsB recombinant protein** | MBS1357363 is a recombinant protein targeting gpsB. Also known as Recombinant Lactobacillus sakei subsp. sakei 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.

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| **NCBI GI #** | 499693888 |
| **NCBI Accession #** | WP_011374622.1 |
| **UniProt Primary Accession #** | Q38X59 |
| **GenBank Nucleotide #** | WP_011374622.1 |
| **NCBI Official Full Name** | cell division regulator GpsB |
| **UniProt Protein Name** | Cell cycle protein GpsB |

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| **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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