Cell Division Protein Ftsz (ftsZ) Pseudomonas Aeruginosa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell division protein FtsZ (ftsZ), Recombinant Protein
Full Product Name	Recombinant Pseudomonas aeruginosa Cell division protein FtsZ (ftsZ)
Product Gene Name	ftsZ recombinant protein
Sequence	MFELVDNIAQ TAVIKVIGVG GGGGNAVNHM AKNNVEGVEF ICANTDAQAL KNIAARTVLQ LGPGVTKGLG AGANPEVGRQ AALEDRERIS EVLEGADMVF ITTGMGGGTG TGAAPIIAEV AKEMGILTVA VVTRPFPFEG RKRMQIADEG IRALAESVDS LITIPNEKLL TILGKDASLL AAFAKADDVL AGAVRGISDI IKRPGMINVD FADVKTVMSE MGMAMMGTGC ASGPNRAREA TEAAIRNPLL EDVNLQGARG ILVNITAGPD LSLGEYSDVG NIIEQFASEH ATVKVGTVID ADMRDELHVT VVATGLGARL EKPVKVVDNT VQGSAAQAAA PAQREQQSVN YRDLDRPTVM RNQSHGSAAT AAKLNPQDDL DYLDIPAFLR RQAD
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	41,218 Da
Sequence Positions	1-394, 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 P47204
Species	Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ftsZ recombinant protein	MBS1162546 is a recombinant protein targeting ftsZ. Also known as Recombinant Pseudomonas aeruginosa Cell division protein FtsZ (ftsZ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ftsZ 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 ftsZ. It may not necessarily be applicable to this product.

NCBI GI #	15599603
NCBI GeneID	881296
NCBI Accession #	NP_253097.1
UniProt Primary Accession #	P47204
UniProt Related Accession #	P47204

GenBank Nucleotide #	NC_002516.2
NCBI Official Full Name	cell division protein FtsZ
NCBI Official Symbol	ftsZ
UniProt Protein Name	Cell division protein FtsZ
Protein Family	Cell division protein
UniProt Gene Name	ftsZ
NCBI Protein Information	cell division protein FtsZ
UniProt Comments for ftsZ	Essential cell division protein that forms a contractile ring structure (Z ring) at the future cell division site. The regulation of the ring assembly controls the timing and the location of cell division. One of the functions of the FtsZ ring is to recruit other cell division proteins to the septum to produce a new cell wall between the dividing cells. Binds GTP and shows GTPase activity.
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