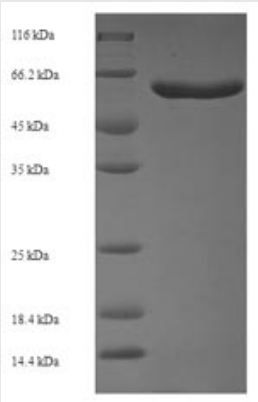
Cell Division Protein Ftsz (ftsZ) Escherichia Coli O6:h1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell division protein FtsZ, Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6:H1 Cell division protein FtsZ
Product Gene Name	ftsZ recombinant protein
Sequence	MFEPMELTND AVIKVIGVGG GGGNAVEHMV RERIEGVEFF AVNTDAQALR KTAVGQTIQI GSGITKGLGA GANPEVGRNA ADEDRDALRA ALEGADMVFI AAGMGGGTGT GAAPVVAEVA KDLGILTVAV VTKPFNFEGK KRMAFAEQGI TELSKHVDSL ITIPNDKLLK VLGRGISLLD AFGAANDVLK GAVQGIAELI TRPGLMNVDF ADVRTVMSEM GYAMMGSGVA SGEDRAEEAA EMAISSPLLE DIDLSGARGV LVNITAGFDL RLDEFETVGN TIRAFASDNA TVVIGTSLDP DMNDELRVTV VATGIGMDKR PEITLVTNKQ VQQPVMDRYQ QHGMAPLTQE QKPVAKVVND NAPQTAKEPD YLDIPAFLRK QAD
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 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	56.3 kDa
Sequence Positions	1-383. 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 P0A9A7
Production Note	**Special Offer:** The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our **technical support team** **or email to** **support@mybiosource.com** for more details.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ftsZ recombinant protein	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.
Product References and Citations for ftsZ recombinant protein	Extensive mosaic structure revealed by the complete genome sequence of uropathogenic Escherichia coli.Welch R.A., Burland V., Plunkett G. III, Redford P., Roesch P., Rasko D., Buckles E.L., Liou S.-R., Boutin A., Hackett J., Stroud D., Mayhew G.F., Rose D.J., Zhou S., Schwartz D.C., Perna N.T., Mobley H.L.T., Donnenberg M.S., Blattner F.R.Proc. Natl. Acad. Sci. U.S.A. 99:17020-17024(2002)
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.

Searchable Terms for ftsZ purchase	MBS1008513 is a recombinant protein targeting ftsZ. Also known as Recombinant Escherichia coli O6:H1 Cell division protein FtsZ. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-Page of ftsZ recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ftsZ. It may not necessarily be applicable to this product.

NCBI GI #	446384921
NCBI Accession #	WP_000462776.1
UniProt Primary Accession #	P0A9A7
UniProt Secondary Accession #	P06138; P77857; P78047
GenBank Nucleotide #	WP_000462776.1
NCBI Official Full Name	MULTISPECIES: cell division protein FtsZ
UniProt Protein Name	Cell division protein FtsZ
Protein Family	Cell division protein
UniProt Gene Name	ftsZ
UniProt Entry Name	FTSZ_ECOL6
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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