Cell Division Protein Sepf (sepF) Streptococcus Pyogenes Serotype M12 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell division protein SepF (sepF), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M12 Cell division protein SepF (sepF)
Product Gene Name	sepF recombinant protein
Product Synonym Gene Name	sepF
Sequence	MAFKDTFNKM ISYFDTDEVN EVEEDVAAST DNVIPRSQQS VRASSHPKQE PRNNHVQQDH QARSQEQTRS QMHPKHGTSE RYYQQSQPKE GHEMVDRRKR MSTSGIANRR EQYQQSTCSD QTTIALKYPR KYEDAQEIVD LLIVNECVLI DFQFMLDAQA RRCLDFIDGA SKVLYGSLQK VGSSMYLLAP SNVSVNIEEM TIPHTTQDIG FDFDMKRR
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	25,219 Da
Sequence Positions	1-218, 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 Q1JAU1
Species	Streptococcus pyogenes serotype M12 (strain MGAS2096)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sepF recombinant protein	MBS1320826 is a recombinant protein targeting sepF. Also known as Recombinant Streptococcus pyogenes serotype M12 Cell division protein SepF (sepF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sepF 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 sepF. It may not necessarily be applicable to this product.

NCBI GI #	499327512
NCBI Accession #	WP_011018004.1
UniProt Primary Accession #	Q1JAU1
GenBank Nucleotide #	WP_011018004.1

NCBI Official Full Name	cell division protein SepF
UniProt Protein Name	Cell division protein SepF
Protein Family	Cell division protein
UniProt Gene Name	sepF
UniProt Comments for sepF	Cell division protein that is part of the divisome complex and is recruited early to the Z-ring. Probably stimulates Z-ring formation, perhaps through the cross-linking of FtsZ protofilaments. Its function overlaps with FtsA.
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