DNA Replication and Repair Protein Recf (recF) Clostridium Phytofermentans Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA replication and repair protein recF (recF), Recombinant Protein
Full Product Name	Recombinant Clostridium phytofermentans DNA replication and repair protein recF (recF)
Product Gene Name	recF recombinant protein
Sequence	MIVKSLELSN FRNYENLSLE FSPSTNILYG DNAQGKTNIL EAVFLCATTK SHKGSKDREI IKLQSEEAHI RMRINRDDVD HRLDMHLKKN KPKGVAIDGI PIKRSSELFG IINVVFFSPE DLSIIKNGPS ERRRFIDMEL CQLSKLYLHN LINYNKVLNQ RNNLLKQIGF NKSLLDTLYV WDQQLIHFGS ALIKERDAFM KSMNELIIAL HKKLSDGKEE LEIVYEASVA ESEFENKLKK SMERDIALKV TNVGPHRDDL SFLINGQDVR KYGSQGQQRT AALSLKLAEI ELVKQVTKDK PILLLDDVLS ELDRKRQNQL LDSIVGIQTI VTCTGLEEFV NNRIETDRIY KVIQGTVEKG
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	41,227 Da
Sequence Positions	1-360, 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 A9KPP4
Species	Clostridium phytofermentans (strain 700394 / DSM 18823 / ISDg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for recF recombinant protein	MBS1262896 is a recombinant protein targeting recF. Also known as Recombinant Clostridium phytofermentans DNA replication and repair protein recF (recF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of recF 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 recF. It may not necessarily be applicable to this product.

NCBI GI #	501153318
NCBI Accession #	WP_012198038.1
UniProt Primary Accession #	A9KPP4
GenBank Nucleotide #	WP_012198038.1

NCBI Official Full Name	DNA replication and repair protein RecF
UniProt Protein Name	DNA replication and repair protein RecF
Protein Family	DNA replication and repair protein
UniProt Gene Name	recF
UniProt Comments for recF	The RecF protein is involved in DNA metabolism; it is required for DNA replication and normal SOS inducibility. RecF binds preferentially to single-stranded, linear DNA. It also seems to bind ATP.
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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