Replication Factor C Small Subunit (rfcS) Methanothermobacter Thermautotrophicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Replication factor C small subunit (rfcS), Recombinant Protein
Full Product Name	Recombinant Methanothermobacter thermautotrophicus Replication factor C small subunit (rfcS)
Product Gene Name	rfcS recombinant protein
Product Synonym Gene Name	rfcS; MTH_241
Product Synonym Names	Replication factor C small subunit; RFC small subunit; Clamp loader small subunit; MthRFC small subunit
Sequence	MIIMNGPWVE KYRPQKLDDI VGQEHIIPRL KRYVEEKSMP NLMFTGPAGV GKTTAALALA REILGEYWRQ NFLELNASDA RGIDTVRTSI KNFCRLKPVG APFRIIFLDE VDNMTKDAQH ALRREMEMYT KTSSFILSCN YSSKIIDPIQ SRCAIFRFLP LKGHQIIKRL EYIAEKENLE YEAHALETIV YFAEGDLRKA INLLQSAASL GEKITESSIY DVVSRARPKD VRKMIKTILD GKFMEARDML REIMVLQGIS GEDMVTQIYQ ELSRLAMEGE VDGDRYVGLI DAIGEYDFRI REGANPRIQL EALLARFLEH A
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	36,788 Da
Sequence Positions	1-321aa; 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 O26343
Species	Methanothermobacter thermautotrophicus (strain 29096 / DSM 1053 / JCM 10044 / NBRC 100330 / Delta H) (Methanobacterium thermoautotrophicum)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rfcS recombinant protein	MBS1227243 is a recombinant protein targeting rfcS. Also known as Recombinant Methanothermobacter thermautotrophicus Replication factor C small subunit (rfcS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rfcS 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 rfcS. It may not necessarily be applicable to this product.

NCBI GI #	15678269
NCBI GeneID	1470202

NCBI Accession #	NP_275384.1
UniProt Primary Accession #	O26343
UniProt Related Accession #	O26343
GenBank Nucleotide #	NC_000916.1
NCBI Official Full Name	replication factor C small subunit
NCBI Official Symbol	rfc
UniProt Protein Name	Replication factor C small subunit
UniProt Synonym Protein Names	Clamp loader small subunit; MthRFC small subunit
Protein Family	Replication factor
UniProt Gene Name	rfcS
UniProt Synonym Gene Names	RFC small subunit
UniProt Entry Name	RFCS_METTH
NCBI Protein Information	replication factor C small subunit
UniProt Comments for rfcS	Part of the RFC clamp loader complex which loads the PCNA sliding clamp onto DNA. The complex possesses DNA-dependent ATPase activity which is further stimulated by PCNA. In conjunction with PCNA stimulates DNA synthesis by PolB, relieving inhbition by replication protein A (RPA).
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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