DNA Polymerase Sliding Clamp (pcn) Natronomonas Pharaonis Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA polymerase sliding clamp (pcn), Recombinant Protein
Full Product Name	Recombinant Natronomonas pharaonis DNA polymerase sliding clamp (pcn)
Product Gene Name	pcn recombinant protein
Product Synonym Gene Name	pcn
Sequence	MFKAIVSADT LGAALDSVSV LVDECKVRLD EEGLTIRAVD PANVGMVDLE LSASAFESYE TDGGVIGVNL DRLEDIVGMA DSGQLVHLDL DEETRKLHIS LDGLEYTLAL IDPDSIRQEP DLPDLDLSSE IVIEGADIDR AVTAADMVSD HIALGVDPDA EEFYVDAEGD TDDVHLELDR EDLIDLTPGE ARSLFSLDYL KDMNKAIPKD AEVTMELGEE FPVKMHFDFA EGDGHVTYML APRIQSD
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	26,955 Da
Sequence Positions	1-247, 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 Q3IU15
Species	Natronomonas pharaonis (strain DSM 2160 / 35678)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pcn recombinant protein	MBS1392541 is a recombinant protein targeting pcn. Also known as Recombinant Natronomonas pharaonis DNA polymerase sliding clamp (pcn). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pcn 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 pcn. It may not necessarily be applicable to this product.

NCBI GI #	499641270
NCBI Accession #	WP_011322004.1
UniProt Primary Accession #	Q3IU15
GenBank Nucleotide #	WP_011322004.1
NCBI Official Full Name	DNA polymerase III sliding clamp

UniProt Protein Name	DNA polymerase sliding clamp
UniProt Synonym Protein Names	Proliferating cell nuclear antigen homolog
Protein Family	DNA polymerase sliding clamp
UniProt Gene Name	pcn
UniProt Synonym Gene Names	PCNA
UniProt Comments for pcn	Sliding clamp subunit that acts as a moving platform for DNA processing. Responsible for tethering the catalytic subunit of DNA polymerase and other proteins to DNA during high-speed replication.
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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