DNA Polymerase II Large Subunit (polC) Thermoplasma Acidophilum Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA polymerase II large subunit (polC), Recombinant Protein
Full Product Name	Recombinant Thermoplasma acidophilum DNA polymerase II large subunit (polC), partial
Product Gene Name	polC recombinant protein
Product Synonym Gene Name	polC
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	122,284 Da
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 Q9HM33
Species	Thermoplasma acidophilum (strain 25905 / DSM 1728 / JCM 9062 / NBRC 15155 / AMRC-C165)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for polC recombinant protein	MBS1324459 is a recombinant protein targeting polC. Also known as Recombinant Thermoplasma acidophilum DNA polymerase II large subunit (polC), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of polC 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 polC. It may not necessarily be applicable to this product.

NCBI GI #	13431474
NCBI Accession #	Q9HM33.1
UniProt Primary Accession #	Q9HM33
NCBI Official Full Name	DNA polymerase II large subunit
UniProt Protein Name	DNA polymerase II large subunit
UniProt Synonym Protein Names	Exodeoxyribonuclease large subunit
Protein Family	DNA polymerase
UniProt Gene Name	polC
UniProt Synonym Gene Names	Pol II

UniProt Comments for polC	Possesses two activities: a DNA synthesis (polymerase) and an exonucleolytic activity that degrades single-stranded DNA in the 3'- to 5'-direction. Has a template-primer preference which is characteristic of a replicative DNA polymerase ().
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