Error-Prone DNA Polymerase (dnaE2) Saccharophagus Degradans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Error-prone DNA polymerase (dnaE2), Recombinant Protein
Full Product Name	Recombinant Saccharophagus degradans Error-prone DNA polymerase (dnaE2), partial
Product Gene Name	dnaE2 recombinant protein
Product Synonym Gene Name	dnaE2
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	115,435 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 Q21LY9
Species	Saccharophagus degradans (strain 2-40 / 43961 / DSM 17024)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dnaE2 recombinant protein	MBS1424696 is a recombinant protein targeting dnaE2. Also known as Recombinant Saccharophagus degradans Error-prone DNA polymerase (dnaE2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dnaE2 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 dnaE2. It may not necessarily be applicable to this product.

NCBI GI #	499786776
NCBI Accession #	WP_011467510.1
UniProt Primary Accession #	Q21LY9
GenBank Nucleotide #	WP_011467510.1
NCBI Official Full Name	error-prone DNA polymerase
UniProt Protein Name	Error-prone DNA polymerase
Protein Family	Error-prone DNA polymerase
UniProt Gene Name	dnaE2

UniProt Comments for dnaE2	DNA polymerase involved in damage-induced mutagenesis and translesion synthesis (TLS). It is not the major replicative DNA polymerase.
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