DNA Ligase (ligA) Nautilia Profundicola Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA ligase (ligA), Recombinant Protein
Full Product Name	Recombinant Nautilia profundicola DNA ligase (ligA), partial
Product Gene Name	ligA recombinant protein
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	75,066 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 B9L8R4
Species	Nautilia profundicola (strain BAA-1463 / DSM 18972 / AmH)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ligA recombinant protein	MBS1159729 is a recombinant protein targeting ligA. Also known as Recombinant Nautilia profundicola DNA ligase (ligA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ligA 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 ligA. It may not necessarily be applicable to this product.

NCBI GI #	506382969
NCBI Accession #	WP_015902688.1
UniProt Primary Accession #	B9L8R4
GenBank Nucleotide #	WP_015902688.1
NCBI Official Full Name	DNA ligase (NAD(+)) LigA
UniProt Protein Name	DNA ligase
UniProt Synonym Protein Names	Polydeoxyribonucleotide synthase [NAD(+)]
Protein Family	DNA ligase
UniProt Gene Name	ligA

UniProt Comments for ligA	DNA ligase that catalyzes the formation of phosphodiester linkages between 5'-phosphoryl and 3'-hydroxyl groups in double-stranded DNA using NAD as a coenzyme and as the energy source for the reaction. It is essential for DNA replication and repair of damaged DNA.
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