DNA Ligase 2 (ligA2) Nocardia Farcinica Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA ligase 2 (ligA2), Recombinant Protein
Full Product Name	Recombinant Nocardia farcinica DNA ligase 2 (ligA2), partial
Product Gene Name	ligA2 recombinant protein
Product Synonym Gene Name	ligA2
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	74,351 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 Q5YRS7
Species	Nocardia farcinica (strain IFM 10152)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ligA2 recombinant protein	MBS1324773 is a recombinant protein targeting ligA2. Also known as Recombinant Nocardia farcinica DNA ligase 2 (ligA2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ligA2 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 ligA2. It may not necessarily be applicable to this product.

NCBI GI #	81373659
NCBI Accession #	Q5YRS7.1
UniProt Primary Accession #	Q5YRS7
NCBI Official Full Name	DNA ligase 2
UniProt Protein Name	DNA ligase 2
UniProt Synonym Protein Names	Polydeoxyribonucleotide synthase [NAD(+)] 2
UniProt Gene Name	ligA2
UniProt Comments for ligA2	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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