DNA Ligase (lig) Sulfolobus Acidocaldarius Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA ligase (lig), Recombinant Protein
Full Product Name	Recombinant Sulfolobus acidocaldarius DNA ligase (lig), partial
Product Gene Name	lig recombinant protein
Product Synonym Gene Name	lig
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	67,576 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 Q4JAM1
Species	Sulfolobus acidocaldarius (strain 33909 / DSM 639 / JCM 8929 / NBRC 15157 / NCIMB 11770)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lig recombinant protein	MBS1285694 is a recombinant protein targeting lig. Also known as Recombinant Sulfolobus acidocaldarius DNA ligase (lig), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lig 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 lig. It may not necessarily be applicable to this product.

NCBI GI #	499596926
NCBI GeneID	3473850
NCBI Accession #	WP_011277660.1
UniProt Primary Accession #	Q4JAM1
UniProt Related Accession #	Q4JAM1
GenBank Nucleotide #	WP_011277660.1
NCBI Official Full Name	ATP-dependent DNA ligase
NCBI Official Symbol	SACI_RS03770
UniProt Protein Name	DNA ligase

UniProt Synonym Protein Names	Polydeoxyribonucleotide synthase [ATP]
Protein Family	Probable DNA ligase
UniProt Gene Name	lig
NCBI Protein Information	ATP-dependent DNA ligase
UniProt Comments for lig	DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair.
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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