

Recombinant DNA ligase protein (His tag) ab238367

1 Image

Description	
Product name	Recombinant DNA ligase protein (His tag)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>Q6API9</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Sequence	RPQTSRLGRVNPVAEVEPTRLSGALIQRVTAHHYAMVRDR GIGPGARIRM SRSGEVIPIKIEEVVKPVAAAQLDIPAHCPSCGSDLAWDG DYLFCLNNMSC PAQITNSMEHFFKILGNVDGFGPSSVQRLYEGGLVDLPAL YAMESADFEQ VGFGPKQATNMVEQLNRSREELIEDWRFLAAFVHRLGM GNCEKLLRYVR LEDVFNLSEEQVAEIKGFQEKTAHSICAGLAGIKDLFFQLF ALGFKLEP TPLLAEGGQGEKSPISGKTVFTGAMLAASRGDMEKQAKA LGATVGKSIT GKTDMLVTGQRVGATKMAKAETLGAILSEEAYRQLVSLD
Predicted molecular weight	40 kDa including tags
Amino acids	340 to 679
Tags	His tag N-Terminus
Additional sequence information	Desulfotalea psychrophila (strain LSv54 / DSM 12343). N-terminal 10xHis-tagged.

Specifications	
Our <b>Abpromise guarantee</b> covers the use of <b>ab238367</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE
Form	Liquid

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

## General Info

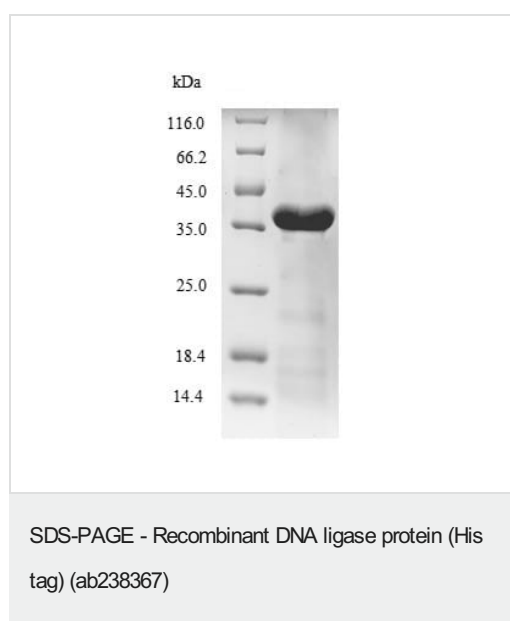
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### Relevance

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.

## Images

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ab238367 analyzed by (Tris-Glycine gel) discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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