

# Recombinant Bacteriophage T4 Y10A Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08668

**Protein Name:** Rna Ligase 2 (Rnl2) (Ec 6.5.1.3) Y10A 24.1 (Y10A)

**Aliases:** RNA ligase 2 (Rnl2) (EC 6.5.1.3) Y10A 24.1

**UniProt ID:** P32277

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P32277/entry>

**Species Source:** Enterobacteria phage T4 (Bacteriophage T4)

**Expression System:** E.coli

**Protein Length:** Full Length (1-334aa)

**Molecular Weight:** 45.1 kDa

**Protein Tag:** N-terminal 10xHis-tagged and C-terminal Myc-tagged

## 2. Amino Acid Sequence (1-334aa)

MFKKYSSLENHYNSKFIEKLYSLGLTGGEWVAREKIHGTNFSLIHERDKVTCAKRTGP  
ILPAEDFFGYEILKNYADSIKAVQDIMETSAVVSQVVFGEFAGPGIQKNVDYCDKDF  
YVFDIIVTTESGDVTYVDDYMMESFCNTFKFKMAPLLGRGKFEELIKLPNDLDSVVQ  
DYNFTVDHAGLVDANKCVWNAEAKGEVFTAEGYVLKPCYPSWLRNGNRVAIKCKN  
SKFSEKKKSDKPIKAKVELSEADNKLVGILACYVTLNRVNNVISKIGEIGPKDFGKVM  
GLTVQDILEETSREGITLTQADNPSLIKKELVKMVQDVLRLPAWIELVS

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the



**Enlibio** Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9  
protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Bacteriophage T4 Y10A full length protein (1-334aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. Y10A, also known as RNA ligase 2 (Rnl2) (EC 6.5.1.3) Y10A 24.1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.