

# Recombinant Human RNASEL Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08063

**Protein Name:** 2-5A-Dependent Ribonuclease (RNASEL)

**Aliases:** RNS4; PRCA1; 2-5A-dependent ribonuclease; interferon-induced 2-5A-dependent RNase; 2',5'-oligoadenylate synthetase-dependent

**UniProt ID:** Q05823

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q05823/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Partial (330-741aa)

**Molecular Weight:** 63.4 kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (330-741aa)

HPPAEDWKPQSSHWGAALKDLHRIYRPMIGKLFIDEKYKIADTSEGGIYLGIFYEK  
QEVAVKTFCEGSPRAQREVSLQSSRENSHLVTFYGSESHRGHLFVCVTLCEQTL  
EACLDVHRGEDVENEDEFARNVLSSIFKAVQELHLSCGYTHQDLQPQNILIDSKKA  
AHLADFDKSIKWAGDPQEVKRDLEDLGRLLVYVKKGSISFEDLKAQSNEEVVQLS  
PDEETKDLIHRLFHPGEHVRDCLSDLLGHPFFWTWESRYRTLNRVGNESDIKTRKS  
ESEILRLLQPGPSEHSKSFDKWTTKINECVMMKMNKFYEKRGNFYQNTVGDLLKFIR  
NLGEHIDEKHKMKMLKIGDPSLYFQKTFPDLVIYVYTKLQNTTEYRKHFPQTHSPNK  
PQCDGAGGASGLASPGC

## 3. Storage Buffer

**Liquid Delivery Form:** Tris-based buffer with 50% glycerol.

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

## 4. Storage Conditions



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Upon receipt, store the product at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$ . It is recommended to aliquot the 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 Human RNASEL partial protein (330-741aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. RNASEL, also known as RNS4 or PRCA1 or 2-5A-dependent ribonuclease, 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.