

# Recombinant strain K12 rbsK Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08022

**Protein Name:** rbsK

**Aliases:** ribokinase

**UniProt ID:** P0A9J6

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P0A9J6/entry>

**Species Source:** Escherichia coli (strain K12)

**Expression System:** E.coli

**Protein Length:** Full Length (1-309aa)

**Molecular Weight:** 36.3kDa

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

## 2. Amino Acid Sequence (1-309aa)

MQNAGSLVVLGSINADHILNLQSFPTPGETVTGNHYQVAFGGKGANQAVAAGRSG  
ANIAFIAGTGDSDIGESVRQQLATDNIDITPVSVIKGESTGVALIFVNGEGENVIGIHAG  
ANAALSPALVEAQRERIANASALLMQLESPLSVMAAAKIAHQNKTIKVALNPAPAREL  
PDELLALVDIITPNETEAEKLTGIRVENDEDAKAAQVLHEKGIRTVLITLGSRGVWAS  
VNGEGQRVPGFRVQAVDTIAAGDTFNGALITALLEEKPLPEAIRFAHAAAAIAVTRKG  
AQPSVPWREEIDAFLDRQR

## 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



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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 strain K12 rbsK full length protein (1-309aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. rbsK, also known as ribokinase, 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.