



Recombinant strain K12 lexA Protein Product Manual

1. Product Basic Information

Product No.: REP07340

Protein Name: Transcriptional Repressor Lexa (lexA)

Aliases: transcriptional repressor LexA

UniProt ID: P0A7C2

UniProt Link: <https://www.uniprot.org/uniprotkb/P0A7C2/entry>

Species Source: Escherichia coli (strain K12)

Expression System: E.coli

Protein Length: Full Length (1-202aa)

Molecular Weight: 38.4kDa

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

2. Amino Acid Sequence (1-202aa)

MKALTARQQEVFDLIRDHISQTGMPPTRAEIAQRLGFRSPNAAEEHLKALARKGVIEI
VSGASRGIRLLQEEEEGLPLVGRVAAGEPLLAQQHIEGHYQVDPSLFKPNADFLLRV
SGMSMKDIGIMDGDLLAVHKTQDVRNGQVVVARIDDEVTVKRLKKQGNKVPELLPEN
SEFKPIVVDLRQQSFTIEGLAVGVIRNGDWL

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 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 *lexA* full length protein (1-202aa) expressed in *E.coli*. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. *lexA*, also known as transcriptional repressor LexA, 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.