



Recombinant strain K12 acrA Protein Product Manual

1. Product Basic Information

Product No.: REP06027

Protein Name: Acryloyl-CoA Reductase Electron Transfer Subunit Beta (acrA)

Aliases: acryloyl-CoA reductase electron transfer subunit beta

UniProt ID: P0AE06

UniProt Link: <https://www.uniprot.org/uniprotkb/P0AE06/entry>

Species Source: Escherichia coli (strain K12)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (25-397aa)

Molecular Weight: 46.6 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (25-397aa)

CDDKQAQQGGQQMPAVGVVTVKTEPLQITTELPGRTSAYRIAIEVRPQVSGIILKRNF
KEGSDIEAGVSLYQIDPATYQATYDSAKGDLAKAQAAANIAQLTVNRYQKLLGTQYI
SKQEYDQALADAQQANAAVTAAKAAVETARINLAYTKVTSPISGRIGKSNVTEGALV
QNGQATALATVQQLDPIYVDVTQSSNDFLRLKQELANGTLKQENGKAKVSLITSDGI
KFPQDGTLEFSDVTVDQTTGSITLRAIFPNPDHTLLPGMFVRARLEEGLNPAILVPQ
QGVTRTPRGDATVLVVGADDKVETRPIVASQAIGDKWLVTEGLKAGDRVVISGLQK
VRPGVQVKAQEVTAADNNQQAASGAQPEQSKS

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



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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 *acrA* full length of mature protein protein (25-397aa) expressed in *E.coli*. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. *acrA*, also known as acryloyl-CoA reductase electron transfer subunit beta, 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.