Recombinant Fruit fly RPS3 Protein Product Manual

1. Product Basic Information

Product No.: REP08124

Protein Name: Ribosomal Protein S3 (RPS3)

Aliases: S3; uS3; ribosomal protein S3; 40S ribosomal protein S3; IMR-90 ribosomal protein S3; small ribosomal subunit protein uS3

UniProt ID: P23396

UniProt Link: https://www.uniprot.org/uniprotkb/P23396/entry

Species Source: Drosophila melanogaster (Fruit fly)

Expression System: E.coli

Protein Length: Full Length (1-246aa)

Molecular Weight: 31.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-246aa)

MNANLPISKKRKFVSDGIFKAELNEFLTRELAEDGYSGVEVRVTPSRTEIIIMATKTQ
QVLGEKGRRIRELTAMVQKRFNFETGRIELYAEKVAARGLCAIAQAESLRYKLTGGL
AVRRACYGVLRYIMESGAKGCEVVVSGKLRGQRAKSMKFVDGLMIHSGDPCNDYV
ETATRHVLLRQGVLGIKVKVMLPYDPKNKIGPKKPLPDNVSVVEPKEEKIYETPETEY
KIPPPSKPLDDLSEAKVL

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

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 Fruit fly RPS3 full length protein (1-246aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. RPS3, also known as S3 or uS3 or ribosomal protein S3, 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.