Recombinant Bacteriophage T4 uvsY Protein Product Manual

1. Product Basic Information

Product No.: REP08622

Protein Name: Uvsy-Like Recombination Mediator (uvsY)

Aliases: UvsY-like recombination mediator

UniProt ID: P04537

UniProt Link: https://www.uniprot.org/uniprotkb/P04537/entry

Species Source: Enterobacteria phage T4 (Bacteriophage T4)

Expression System: E.coli

Protein Length: Full Length (1-137aa)

Molecular Weight: 63.6kDa

Protein Tag: N-terminal MBP-tagged and C-terminal 6xHis-Avi-tagged

2. Amino Acid Sequence (1-137aa)

MRLEDLQEELKKDVFIDSTKLQYEAANNVMLYSKWLNKHSSIKKEMLRIEAQKKVAL
KARLDYYSGRGDGDEFSMDRYEKSEMKTVLSADKDVLKVDTSLQYWGILLDFCSG
ALDAIKSRGFAIKHIQDMRAFEAGK

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 Bacteriophage T4 uvsY full length protein (1-137aa) expressed in E.coli. The protein is dual-tagged with MBP tag at the N-terminus and 6xHis-Avi tag at the C-terminus, which facilitates protein purification, detection and identification. uvsY, also known as UvsY-like recombination mediator, 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.