Recombinant strain CDC 684 / NRRL 3495 tmk Protein Product Manual

1. Product Basic Information

Product No.: REP08486

Protein Name: Dtmp Kinase (tmk)

Aliases: dTMP kinase

UniProt ID: C3LJ02

UniProt Link: https://www.uniprot.org/uniprotkb/C3LJ02/entry

Species Source: Bacillus anthracis (strain CDC 684 / NRRL 3495)

Expression System: E.coli

Protein Length: Full Length (1-208aa)

Molecular Weight: 27.8kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-208aa)

MKGLFVTIEGPEGSGKTTLIQSLLPYFEQKEQKVMATREPGGIAISEDIRTILHKQEYT
MMEARTEALLYAAARRQHLVEKVMPALNEDYLVLCDRFIDSSLAYQGYARGLGMD
KVFEINRFATEDCMPSLTIYLDIEPEVGLARIAKDAGREVNRLDMEDISFHKRVREGY
LQVVERFSDRIVLVNADQPMEKLIEEVIQVIEDKLL

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 CDC 684 / NRRL 3495 tmk full length protein (1-208aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. tmk, also known as dTMP kinase, 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.