



Recombinant Bacteriophage T4 hoc Protein Product Manual

1. Product Basic Information

Product No.: REP07137

Protein Name: Hoc-Like Head Decoration (hoc)

Aliases: Hoc-like head decoration

UniProt ID: P18056

UniProt Link: <https://www.uniprot.org/uniprotkb/P18056/entry>

Species Source: Enterobacteria phage T4 (Bacteriophage T4)

Expression System: E.coli

Protein Length: Full Length (1-376aa)

Molecular Weight: 44.0 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (1-376aa)

MTFTVDITPKTPTGVIDETKQFTATPSGQTGGGTITYAWSVDNVPQDGAEATFSYVL
KGPAGQKTIKVVATNTLSEGGPETAEATTTITVKNKTQTTTLAVTPASPAAGVIGTPV
QFTAALASQPDGASATYQWYVDDSQVGGETNSTFSYTPPTSGVKRIKCVAQVTAT
DYDALSVTSNEVSLTVNKKTMNPQVTLTPPSINVQQDASATFTANVTGAPEEAQITY
SWKKDSSPVEGSTNVYTVDTSSVGSQTIEVTATVTAADYNPVTVTKTGNVTVTAKV
APEPEGELPYVHPLPHRSSAYIWCGWWVMDEIQKMTEEGKDWKTDDPDSKYYLH
RYTLQKMMKDYPEVDVQESRNGYIIHKTALETGIIYTYP

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 Bacteriophage T4 hoc full length protein (1-376aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. hoc, also known as Hoc-like head decoration, 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.