

# Recombinant Bacteriophage T4 WAC Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08650

**Protein Name:** Ww Domain Containing Adaptor With Coiled-Coil (WAC)

**Aliases:** Wwp4; DESSH; BM-016; PRO1741; WW domain containing adaptor with coiled-coil

**UniProt ID:** Q9BTA9

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9BTA9/entry>

**Species Source:** Enterobacteria phage T4 (Bacteriophage T4)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (2-487aa)

**Molecular Weight:** 67.7kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (2-487aa)

TDIVLNDLPFVDGPPAEGQSRISWIKNGEEILGADTQYGSEGSMMNRPTVSVLRNVEV  
LDKNIGILKTSLETANSDIKTIQGILDVSGDIEALAQIGINKKDISDLKTLTSEHTEILNGT  
NNTVDSILADIGPFNAEANSVYRTIRNDLLWIKRELQGYTGQDINGLPVVGPNPSSGM  
KHRIINNTDVITSQGIRLSELETKFIESDVGSLTIEVGNLREELGPKPPSFSQNVYSRL  
NEIDTKQTTVESDISAIKTSIGYPGNNIITSVNTNTDNIA SINLELNQSGGIKQRLTVIE  
TSIGSDDIPSSIKGQIKDNTTSIESLNGIVGENTSSGLRANVSWLNQIVGTDSSGGQP  
SPPGSELLNRVSTIETSVSGLNNAVQNLQVEIGNNSAGIKGQVVALNTLVNGTNPNGS  
TVEERGLTNSIKANETNIASVTQEVNTAKGNISLQGDVQALQEAGYIPEAPRDGQA  
YVRKDG EWVFLSTFLSPA

## 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 WAC full length of mature protein protein (2-487aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. WAC, also known as Wwp4 or DESSH or BM-016, 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.