



Recombinant Escherichia coli O157:H7 ompT Protein Product Manual

1. Product Basic Information

Product No.: REP07692

Protein Name: Omptin Family Outer Membrane Protease Ompt (ompT)

Aliases: omptin family outer membrane protease OmpT

UniProt ID: P58603

UniProt Link: <https://www.uniprot.org/uniprotkb/P58603/entry>

Species Source: Escherichia coli O157:H7

Expression System: E.coli

Protein Length: Full Length of Mature Protein (21-317aa)

Molecular Weight: 49.5 kDa

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

2. Amino Acid Sequence (21-317aa)

STETLSFTPDNINADISLGTLSGKTKERVYLAEEGGRKVSQLDWKFNNAAIIKGAINW
DLMPQISIGAAGWTTLGSRGGNMVDQDWMDSSNPGTWTDESRHPDTQLNYANEF
DLNIKGWLLNEPNYRLGLMAGYQESRYSFTARGGSYIYSSEEGFRDDIGSFPNGER
AIGYKQRFKMPYIGLTGSYRYEDFELGGTFKYSGWVEASDNDEHYDPKGRITYRSK
VKDQNYYSVSVNAGYYVTPNAKVYVEGTWNRVTNKKGNTSLYDHNDNTSDYSKN
GAGIENYNFITTAGLKYTF

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



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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 Escherichia coli O157:H7 ompT full length of mature protein protein (21-317aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. ompT, also known as omptin family outer membrane protease OmpT, 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.