



Recombinant Human papillomavirus type 16 L2 Protein Product Manual

1. Product Basic Information

Product No.: REP07315

Protein Name: Minor Capsid Protein L2 (L2)

Aliases: minor capsid protein L2

UniProt ID: P03107

UniProt Link: <https://www.uniprot.org/uniprotkb/P03107/entry>

Species Source: Human papillomavirus type 16

Expression System: E.coli

Protein Length: Full Length (1-473aa)

Molecular Weight: 66.7 kDa

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

2. Amino Acid Sequence (1-473aa)

MRHKRS AKRTKR SATQLYKTCKQAGTCPPDIIPKVEGKTIAEQILQYGSMGVFFGG
LGIGTGSGTGGR TG YIPLGTRPPTATDTLAPVRPPLTVDPVGPSDPSIVSLVEETSFI
DAGAPTSVPSIPPDVSGFSITTSTDTPAILDINNTVTTVTTHNNPTFTDPSVLQPPTP
AETGGHFTLSSSTISTHNYEEIPMDTFIVSTNPNTVTSSTPIPGSRPVARLGLYSRTT
QQVKVVDPAFVTTPTKLITYDNPAYEGIDVDNTLYFSSNDNSINIAPDPDFLDIVALHR
PALTSRRTGIRYSRIGNKQTLRTRSGKSIGAKVHYYYDLSTIDPAEEIELQTITPSTYT
TTSHAASPTSINNGLYDIYADDFITDTSTTPVPSVPSTSLSGYIPANTTIPFGGAYNIPL
VSGPDIPINITDQAPSLIIVPGSPQYTIADAGDFYLHPSYYMLRKRRKRLPYFFSDV
SLAA

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

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 Human papillomavirus type 16 L2 full length protein (1-473aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. L2, also known as minor capsid protein L2, 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.