



Recombinant Human papillomavirus type 18 L1 Protein Product Manual

1. Product Basic Information

Product No.: REP07314

Protein Name: Major Capsid Protein L1 (L1)

Aliases: L1; Major capsid protein L1

UniProt ID: P03101

UniProt Link: <https://www.uniprot.org/uniprotkb/P03101/entry>

Species Source: Human papillomavirus type 18

Expression System: E.coli

Protein Length: Full Length (1-568aa)

Molecular Weight: 91.1 kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-568aa)

MCLYTRVLILHYHLLPLYGPLYHPRPLPLHSILVYMVHIIICGHYIILFLRNVNVFPIFLQ
MALWRPSDNTVYLPPPSVARVNTDDYVTPTSIFYHAGSSRLTGVNPNYFRVPAGG
GNKQDIPKVSAYQYRVFRVQLPDPNKFGLPDTSIYNPETQRLVWACAGVEIGRGQP
LGVGLSGHPFYNKLDDESSHAATSNVSEDVRDENVSDYKQTQLCILGCAPAIGEH
WAKGTACKSRPLSQGDCPPLELKNTVLEDGDMVDTGYGAMDFSTLQDTKCEVPLD
ICQSICKYPDYLQMSADPYGDSMFFCLRREQLFARHFWNRAGTMGDTVPPQSLYIK
GTGMPASPGSCVYSPSPSGSIVTSDSQLFNKPYWLHKAQGHNNNGVCWHNQLFVT
VVDTPSTNLTICASTQSPVPGQYDATKFKQYSRHVEEYDLQFIFQLCTITLTADVMS
YIHSMNSSILEDWNFGVPPPTTSLVDTYRFVQSVAITCQKDAAPAENKDPYDKLKF
WNVDLKEKFSLDLDQYPLGRKFLVQAGLRRKPTIGPRKRSAPSATTSSKPAKRVRV
RARK

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)

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 18 L1 full length protein (1-568aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. L1, also known as L1 or Major capsid protein L1, 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.