

## Recombinant HPV 45 L1 Protein, His tagged

**Cat. No.** HPV45-006H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant HPV 45 L1 Protein (29-539aa) with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | HPV45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 29-539aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Human papillomavirus (HPV) L1 capsid protein is only produced during a productive HPV infection at the end of the natural viral life cycle and is a major target of the immune response in women with HPV-related squamous intraepithelial lesions.                                                                                                                                                                                                                                                                                                                               |
| <b>Tag</b>              | C-His                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 58 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | <p>MWRPSDSTVYLPPPSVARVVSTDDYVSRTSIFYHAGSSRLLTVGNPYFRVVPNGAG<br/> NKQAVPKVSAYQYRVFRVALPDPNKFGLPDSIYNPETQRLVWACVGM EIGRGQPL<br/> GIGLSGHPFYNNKLDDESAHAATAVITQDVRDNVSVDYKQTQLCILGCVPAIGEHWA<br/> KGTLCCKPAQLQPGDCPPLELKNTIIEDGDMVDTGYGAMDFSTLQDTKCEVPLDICQS<br/> ICKYDPDYLQMSADPYGDSMFFCLRREQLFARHFWNRAGVMGDTVPTDLYIKGTSAN<br/> MRETPGSCVYSPSPSGSIITSDSQLFNKPYWLHKAQGHNNGICWHNQLFVTVDTT<br/> RSTNLTLCSTQNPVPSTYDPTKFKQYSRHVEEYDLQFIFQLCTITLTAEVMSYIHSM<br/> NSSILENWNFGVPPPTTSLVDYRFVQSVAVTCQKDTTPPEKQDPYDKLKFWTVD<br/> LKEKFSSDLQYPLGRKFLVQAGLRRRPTIGPRKRPAASTSTASTASRPAKRVRIRS</p> |

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KKHHHHHHHHH

**Endotoxin** < 0.1 EU/μg by LAL

**Purity** > 90% by SDS-PAGE

**Storage** Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Sterile PBS, pH7.4

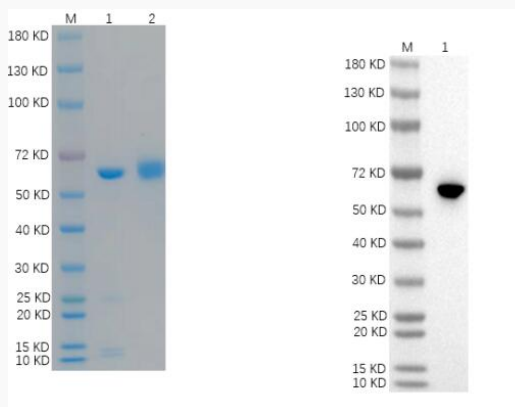
**Concentration** 0.24 mg/mL by BCA

## GENE INFORMATION

**Official Symbol** L1 Protein

**Synonyms** L1 Protein

Reducing 4%-20%  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
antibody) analysis  
profiles of purified  
HPV45.



1. HPV45-005H

2. BSA

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