

# Recombinant Human papillomavirus type 18 L1 Protein, His-tagged

**Cat. No.** L1-43H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human papillomavirus type 18 L1 Protein, fused to His-tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human papillomavirus type 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 51-568 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | major capsid L1 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | PBS, 0.05%SKL, pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 58.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MRNVNVFPIFLQMALWRPSDNTVYLPPPSVARVVNTDDYVTPTSIFYHAGSSRLT<br>VGNPYFRVPAGGGNKQDIPKVSAYQYRVFRVQLPDPNKFGLPDTSIYNPETQRLVWA<br>CAGVEIGRGQPLGVGLSGHPFYNKLDDTESSHAATSNVSEDVRDENVSDYKQTQL<br>CILGCAPAIGEHWAKGTACKSRPLSQGDCPPLELKNTVLEDGDMVDTGYGAMDFST<br>LQDTKCEVPLDICQSICKYPDYLQMSADPYGDSMFFCLRREQLFARHFWNRAGTM<br>GDTVPQSLYIKGTGMPASPGSCVYSPSPSGSIVTSDSQLFNKPYWLHKAQGHNGV<br>CWHNQLFVTVDTPSTNLICASTQSPVPGQYDATKFKQYSRHHVEEYDLQFIFQLC<br>TITLTADVMSYIHSMNSSILEDWNFGVPPPPTTSLVDTYRFVQSVAITCQKDAAPAEN<br>KDPYDKLKFVNVDLKEKFSLDLQYPLGRKFLVQAGLRRKPTIGPRKRSAPSATTSS |

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|                      |                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | KPAKRVRVRARKHHHHHHHH                                                                                                                                                |
| <b>Endotoxin</b>     | 1EU/ug                                                                                                                                                              |
| <b>Purity</b>        | >90%                                                                                                                                                                |
| <b>Storage</b>       | 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. |
| <b>Concentration</b> | 0.4 mg/ml                                                                                                                                                           |

## GENE INFORMATION

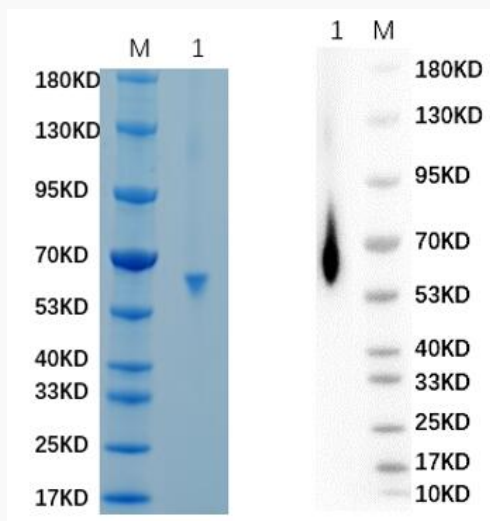
|                        |                                                      |
|------------------------|------------------------------------------------------|
| <b>Gene Name</b>       | L1 major capsid L1 protein [ Alphapapillomavirus 7 ] |
| <b>Official Symbol</b> | L1                                                   |
| <b>Synonyms</b>        | HpV18gp8                                             |
| <b>Gene ID</b>         | 1489090                                              |
| <b>Protein Refseq</b>  | NP_040317                                            |
| <b>UniProt ID</b>      | P06794                                               |

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# SDS-PAGE



Reducing 12% SDS-PAGE and WB analysis profile of purified HPV18 (CBB stained).

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