

Protein L1/L1R, Vaccinia virus (Sf9, His, myc)

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| Cat. No.: | HY-P72301 |
| Synonyms: | Virion membrane protein M25 |
| Species: | Virus |
| Source: | Sf9 insect cells |
| Accession: | P20540 (G2-G183) |
| Gene ID: | / |
| Molecular Weight: | Approximately 27 kDa |

PROPERTIES

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| AA Sequence | <p>G A A A S I Q T T V N T L S E R I S S K L E Q E A N A S A Q T K C D I E I G N F</p> <p>Y I R Q N H G C N L T V K N M C S A D A D A Q L D A V L S A A T E T Y S G L T P</p> <p>E Q K A Y V P A M F T A A L N I Q T S V N T V V R D F E N Y V K Q T C N S S A V</p> <p>V D N K L K I Q N V I I D E C Y G A P G S P T N L E F I N T G S S K G N C A I K</p> <p>A L M Q L T T K A T T Q I A P R Q V A G T G</p> |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | <p>Protein L1/L1R plays a vital role as a component of the entry fusion complex (EFC), a critical assembly of 11 proteins that facilitates the entry of the virion core into the host cytoplasm during cell infection. The EFC orchestrates this process through a two-step mechanism involving lipid mixing of the viral and cellular membranes, followed by the formation of a pore. Within the EFC, Protein L1/L1R collaborates with other proteins, namely OPG053, OPG076, OPG086, OPG094, OPG099, OPG107, OPG143, OPG104, OPG147, and OPG155. Notably, with the exception of OPG095 and OPG053, each protein within the EFC is indispensable for the assembly or stability of the complex.</p> |
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Caution: Product has not been fully validated for medical applications. For research use only.

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