Protein L1/VACWR088, Vaccinia virus (Sf9, His, myc)

Cat. No.:	HY-P72300
Synonyms:	Virion membrane protein M25
Species:	Virus
Source:	Sf9 insect cells
Accession:	P07612 (G2-G183)
Gene ID:	3707544
Molecular Weight:	Approximately 26 kDa

PROPERTIES

AA Sequence	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 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 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 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 A L M Q L T T K A T T Q I A P K Q V A G T G
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 10 mM Tris-HCl, 1 mM EDTA, 3% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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

Background	Protein L1/VACWR088 serves as a crucial component of the entry fusion complex (EFC), a fundamental assembly comprising 11 proteins. During cell infection, this complex plays a pivotal role in facilitating the entry of the virion core into the host cytoplasm through a two-step mechanism involving lipid mixing of the viral and cellular membranes, followed by the formation of a pore. The EFC is orchestrated by a collaborative effort among its constituent proteins, namely OPG053/F9, OPG076/O3, OPG086/G3, OPG094/G9, OPG095/L1, OPG099/L5, OPG107/H2, OPG143/A16, OPG104/J5, OPG147/A21, and OPG155/A28. Remarkably, with the exception of OPG095/L1 and OPG053/F9, each protein within the EFC is indispensable for the assembly or stability of the complex.

Caution: Product has not been fully validated for medical applications. For research use only.

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