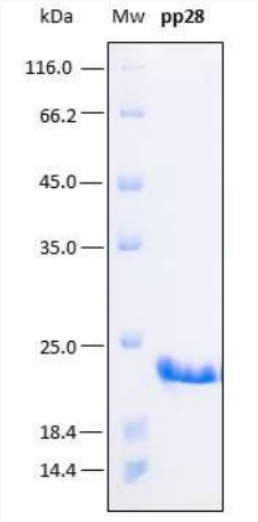
Recombinant CMV UL99 Antigen, His tagged

Cat. No. UL99-069C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The CMV antigen pp28 has been prepared as a truncated recombinant antigen fused to a his-tag in its N-terminal. It is produced from the most immunological regions of the UL99 gene, which codifies a phosphoprotein constituent of the virion.
Species	CMV
Source	E.coli
Description	The human cytomegalovirus UL99-encoded pp28 antigen is a 190-amino-acid myristylated phosphoprotein that is a constituent of the virion. The pp28 protein is positioned within the tegument of the virus particle, a protein structure that resides between the capsid and envelope. It is one of the most abundant constituents of the tegument layer and highly immunogenic.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is at the molecular marker of 14.4 kDa, while relative molecular mass calculated from amino acid sequence is 11,975.94 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at

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	25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 7, 0.15 M NaCl and 0.1% polyoxyethylene (10) tridecylether
Concentration	1.19 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Silva, M.C., Qian-Chun, Y., Enquist, L. and T. Shenk. Human Cytomegalovirus UL99-encoded pp28 is required for the cytoplasmic enveloped of tegument-Associated capsids. 2003, Journal of Virology., 19:10594-10605. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26. 3. Arianna Rath, Mira Glibowicka, Vincent G. Nadeau, Gong Chen, and Charles M. Deber. Detergent binding explains anomalous SDS-PAGE migration of membrane proteins. 2009. PNAS, 106:1760-1765.
Purity	

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SDS-PAGE analysis (15%) of 3 µL of recombinant pp28. Purity is > 95% as determined by gel electrophoresis.

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