

Recombinant Cytomegalovirus Pp65/UL83 (aa 297-510) GST

Catalog No.	CSI15694A CSI15694B CSI15694C	Quantity:	100 µg 0.5 mg 1.0 mg
Description:	<p>CMV belongs to the Betaherpesvirinae subfamily of Herpesviridae which includes herpes simplex virus types 1 and 2, varicella-zoster virus, and Epstein-Barr virus. The herpes viruses share a characteristic ability to remain latent over long periods. CMV is a double-stranded linear DNA virus with 162 hexagonal protein capsomeres surrounded by a lipid membrane. CMV has the largest genome of the herpes viruses, ranging from 230-240 kilobase pairs. Human CMV is composed of unique and inverted repeats that include the existence of 4 genome isomers caused by inversion of L-S genome components (class E). Replication may be divided into immediate early, delayed early, and late gene expression based on time of synthesis after infection. The DNA is replicated by rolling circles. In vitro, CMV replicates in human fibroblasts.</p> <p>The <i>E. Coli</i> derived 52.2 kDa recombinant protein contains the CMV Pp65 (UL83) immunodominant regions, 297-510 amino acids. Recombinant CMV-Pp65 is fused to a 26 kDa GST tag.</p>		
Source:	<i>E. coli</i>		
Purification Method:	CMV Pp65 was purified by proprietary chromatographic technique.		
Formulation:	Liquid in 25 mM Tris-Hcl + 1 mM EDTA, pH 8.0 + 50% glycerol.		
Purity:	CMV Pp65 protein is >95% pure as determined by 10% PAGE (coomassie staining).		
Molecular Weight:	52.2 kDa		
Specific Activity:	Immunoreactive with sera of CMV-infected individuals		
Storage & Stability:	<p>CMV Pp65 protein although stable at 4°C for 1 week, should be stored below -18°C.</p> <p>Please prevent freeze thaw cycles.</p>		
Applications:	Recombinant CMV-Pp65 Antigen may be used in ELISA and Western blots, excellent for detection of CMV with minimal specificity problems.		

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