
Product Data Sheet

Product Name: CMV Mosaic
Cat. No.: GP25356
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	CMV Mosaic protein solution (0.42mg/ml) contains Phosphate buffered saline, 2M urea and 100mM arginine.		

Introduction

CMV belongs to the Betaherpesvirinae subfamily of Herpesviridae which includes herpes simplex virustypes 1 and 2, varicella-zoster virus, and Epstein-Barrvirus. The herpesviruses 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.

Stability

CMV Mosaic protein although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

Background

The E.Coli derived Recombinant Cytomegalo Virus Mosaic contains the multiple epitopes from P150-P52-P38-P65-P28 having a molecular weight of 40kDa. The CMV Mosaic is fused to a 6xHis tag and purified by proprietary chromatographic technique.

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

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