

Recombinant Cytomegalo Virus gB Protein, GST tagged

Cat. No. gB-352V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The E.coli derived recombinant artificial mosaic protein contains the CMV gB immunodominant regions 11-67 amino acids, fused with a 26 kDa GST Tag, the protein weight is 6.5kDa, having a total weight of 32.5 kDa.
Species	CMV
Source	E.coli
ProteinLength	11-67 aa
Description	CMV belongs to the Beta herpesvirinae subfamily of Herpesviridae which includes herpes simplex virus types 1 and 2, varicella-zoster virus, and Epstein-Barr virus. 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.
Molecular Mass	32.5 kDa
Purity	> 95% pure as determined by 10% PAGE (coomassie staining). CMV gB was purified

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by proprietary chromatographic technique.

Storage

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

Shipping

Ice Packs

Storage Buffer

50mM Tris pH 7.2, 1mM EDTA and 50% glycerol.

Specificity

Immunoreactive with sera of CMV-infected individuals.

GENE INFORMATION

Official Symbol

gB

Synonyms

gB

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