



### Synonym

Epstein-Barr virus (Herpesvirus 4), EBV Glycoprotein gp350, EBV GP350

### Source

Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag (GP0-E52H6) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Thr 470 (Accession # [P03200-1](#)).  
Predicted N-terminus: Met 1

### Molecular Characterization

gp350(Met 1 - Thr 470)  
P03200-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 52.3 kDa. The protein migrates as 80-120 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

### Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

### Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with Trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

### Storage

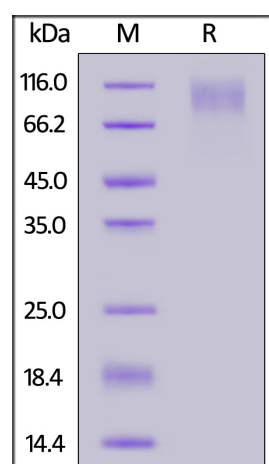
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

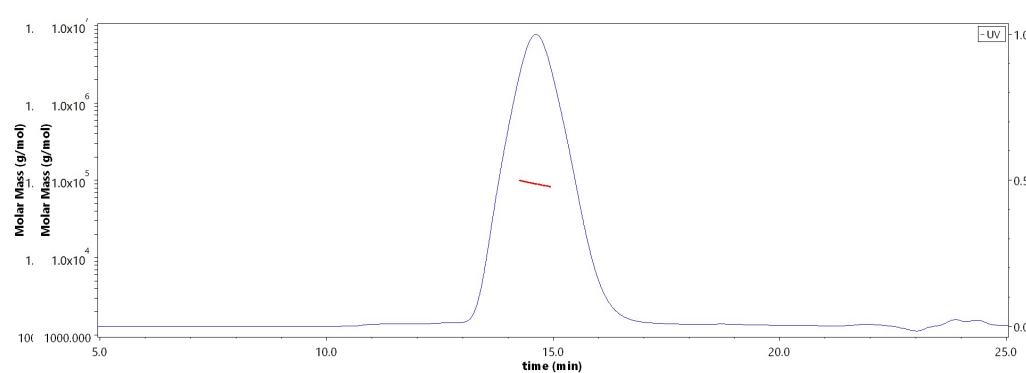
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

### SEC-MALS



The purity of Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag (Cat. No. GP0-E52H6) is more than 90% and the molecular weight of this protein is around 85-95 kDa verified by SEC-MALS.

[Report](#)

### Background

Epstein-Barr virus (EBV), also designated human herpesvirus 4 (HHV-4), is a member of the herpesvirus family and is one of the most common human viruses. EBV binds to the cell surface receptor 2 (CR2) on human B cells using its major envelope glycoprotein 350 (gp350) and, as such, the EBV gp350 Envelope Protein, also

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**Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 / EBV GP350 Protein, His Tag (MALS verified)**

Catalog # GP0-E52H6



designated the EBV envelope glycoprotein complex 250/350, is crucial in mediating the initial stages of EBV infection. The EBV gp350 Envelope Protein is expressed on virion envelope as well as EBV producer cells.

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