

Active Recombinant HCMV (strain Merlin) gB protein, His-tagged

Cat. No. gB-1491H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HCMV (strain Merlin) gB protein(Ser25-Glu698), fused with His tag, was expressed in HEK293.
Species	HCMV
Source	HEK293
ProteinLength	25-698 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, 0.2 M Arginine, pH7.4.
Bio-activity	Immobilized HCMV (strain Merlin) Glycoprotein B (gB), His Tag at 1 µg/mL (100 µL/well) can bind Anti-HCMV glycoprotein B antibody-SM5-1, Human IgG1 with a linear range of 0.2-8 ng/mL. Immobilized Anti-HCMV glycoprotein B antibody-SM5-1, Human IgG1 at 1 µg/mL (100 µL/well) can bind HCMV (strain Merlin) Glycoprotein B (gB), His Tag with a linear range of 1-39 ng/mL.
Molecular Mass	Molecular CharacterizationThis protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 78.7 kDa. The protein migrates as 105-135 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ser25-Glu698
Endotoxin	Less than 1.0 EU per

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	µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>95% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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