

Active Recombinant HCMV (strain AD169) gB protein, His-tagged

Cat. No. gB-1492H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant HCMV (strain AD169) gB protein(Ser25-Phe706), fused with His tag, was expressed in HEK293.
Species	HCMV
Source	HEK293
ProteinLength	25-706 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized HCMV (strain AD169) Glycoprotein B (gB), His Tag at 1 µg/mL (100 µL/well) can bind Anti-gB(HCMV)-antibody-SM5-1,Human IgG1(AM330) with a linear range of 0.1-4 ng/mL.Immobilized Anti-gB(HCMV)-antibody-SM5-1,Human IgG1(AM330) at 1 µg/mL (100 µL/well) can bind HCMV (strain AD169) Glycoprotein B (gB), His Tag with a linear range of 0.1-8 ng/mL.
Molecular Mass	Molecular CharacterizationThis protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 79.6 kDa. The protein migrates as 90-120 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ser25-Phe706
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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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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