

Active Recombinant Human cytomegalovirus (CMV) gB protein, Fc-tagged

Cat. No. gB-1045C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human cytomegalovirus (CMV) gB protein(Met 1-Lys 700&Arg 777-Val 907)(AAA45920.1,with furin cleavage site mutated from 'RTKR' to 'TTQT') precursor was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
Species	CMV
Source	HEK293
ProteinLength	1-700&777-907 aa
Form	Lyophilized from sterile 100mM Gly, 10mM NaCl, 50mM Tris, pH 7.5.
Bio-activity	Measured by its ability to bind biotinylated Human CD209-Fc in functional ELISA.
Molecular Mass	The recombinant human CMV glycoprotein B/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 1045 amino acids and has a predicted molecular mass of 118 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of gB/Fc monomer is approximately 160-170 kDa due to glycosylation.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 80 % as determined by SDS-PAGE

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Storage

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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.

GENE INFORMATION

Official Symbol

gB

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