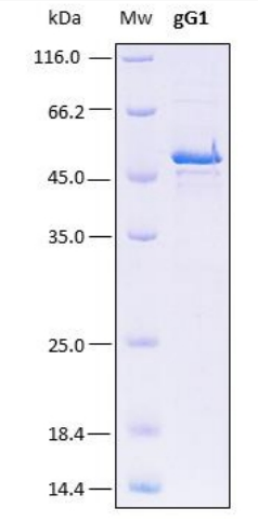
Recombinant HSV-1 glycoprotein G Antigen, His&TrxA tagged, Biotinylated

Cat. No. gG1-070H **Lot. No.** (See product label)

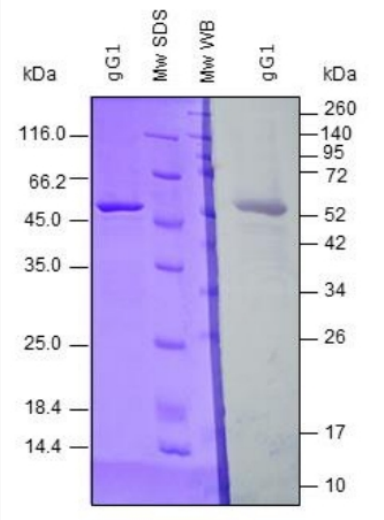
SPECIFICATION

Product Overview	The recombinant gG-1 glycoprotein has been prepared by expressing the mature protein from the US4 gene of HSV-1 and monobiotinylated in vivo.
Species	HSV1
Source	E.coli
Description	gG1 is the recombinant mature glycoprotein G for herpes simplex virus type 1 (HSV-1). The glycoprotein G, an envelope protein of unknown function has been suggested as a prototype antigen for type-specifc HSV-1 serology. Several studies have demonstrated that IgG test using immunoassay or immunoblot based on the specific glycoprotein G is the most accurate method for discrimination HSV-1 and HSV-2.
Tag	N-His&TrxA
Conjugation/Label	Biotin
Molecular Mass	Determined by SDS-PAGE, the protein band is between the molecular markers of 66.2 kDa and 45 kDa, while relative molecular mass calculated from amino acid sequence is 45,664.4 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, CE, NP, PO

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Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 7, 0.15 M NaCl and and 0.1% polyoxyethylene (10) tridecyl ether
Concentration	1.30 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Frame, M.C., Marsden,H.S., and McGeoch,D.J. Novel herpes simplex virus type 1 glycoproteins identified by a synthetic oligopeptide from the predicted product of gene US4. 1986. J. gen. Virol. 67:745-751. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Conjugation	Biotin
Purity	

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	SDS-PAGE analysis (15%) of 7 µL of recombinant gG1. Purity is > 95% as determined by gel electrophoresis.
WB	 Western blot analysis in order to detect streptavidin /biotin reaction. The incubation was performed with HRP conjugated streptavidin (1:2500).

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