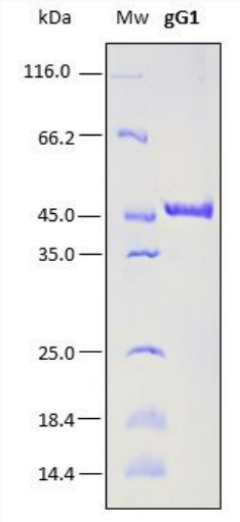
# Recombinant HSV-1 glycoprotein G Antigen, His&TrxA tagged

**Cat. No.** gG1-071H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | The recombinant gG-1 glycoprotein has been prepared by expressing the mature protein from the US4 gene of HSV-1. |
| **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 |
| **Molecular Mass** | Determined by SDS-PAGE, the protein band is at the molecular marker of 45 kDa, while relative molecular mass calculated from amino acid sequence is 36,904.09 Da. |
| **Purity** | > 95% by observation on SDS-PAGE electrophoresis |
| **Applications** | WB, DB, IE, DE, CLIA, LF |
| **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. |

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| **Storage Buffer** | 20 mM phosphate buffer pH 8, 0.3 M NaCl and and 0.1% polyoxyethylene (10) tridecyl ether |
| **Concentration** | 1.19 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.<br>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. |
| **Purity** | <br>SDS-PAGE analysis (15%) of 2 µL of recombinant gG1. Purity is > 95% as determined by gel electrophoresis. |

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