

Recombinant HSV-2 glycoprotein G Antigen, His tagged

Cat. No. gG2-072H **Lot. No.** (See product label)

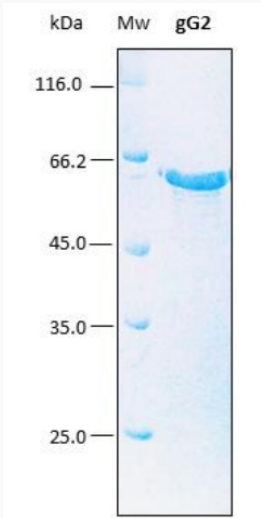
SPECIFICATION

Product Overview	The recombinant gG-2 glycoprotein has been prepared by expressing the gene US4 from HSV-2
Species	HSV2
Source	E.coli
Description	gG2 contains the immunogenic regions of the glycoprotein G from the Herpes simplex virus type 2 (HSV-2). The envelope glycoprotein G (gG) proteins are the only HSV antigens known to induce type-specific antibody responses and are therefore used in serological assays to discriminate between HSV-1 and HSV-2 infection. Although exist a strong serological cross-reactivity between HSV-1 and HSV-2, the use of the recombinant HSV-2 glycoprotein G (gG2) allows determining only HSV-2 type specific IgG antibodies. Prompt recognition of herpes simplex infection and early initiation of therapy are of utmost importance in the managing of the disease.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is at the molecular marker of 66.2 kDa, while relative molecular mass calculated from amino acid sequence is 35,870.3 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 and 0.15 M NaCl
Concentration	1.25 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Dolan,A., Jamieson,F.E., Cunningham,C., Barnett,B.C. and McGeoch,D.J. The genome sequence of herpes simplex virus type 2. 1998. J. Virol. 72 (3), 2010-2021. 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. 3. Arianna Rath, Mira Glibowicka, Vincent G. Nadeau, Gong Chen, and Charles M. Deber. Detergent binding explains anomalous SDS-PAGE migration of membrane proteins. 2009. PNAS, 106:1760-1765.
Purity	

SDS-PAGE analysis (12%) of 2 μ L of recombinant gG2. Purity is approx. 95% as determined by gel electrophoresis.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA