

## glycoprotein G/gG Protein, HHV-1 (Cell-Free, His)

Cat. No.:	HY-P702297
Synonyms:	Envelope glycoprotein G; gG-1
Species:	Virus
Source:	E. coli Cell-free
Accession:	P06484 (V25-G238)
Gene ID:	2703404
Molecular Weight:	28.8 kDa

### PROPERTIES

AA Sequence	<p>V P T N V S S T T Q    P Q L Q T T G R P S    H E A P N M T Q T G    T T D S P T A I S L</p> <p>T T P D H T P P M P    S I G L E E E E E E    E G A G D G E H L E    G G D G T R D T L P</p> <p>Q S P G P A F P L A    E D V E K D K P N R    P V V P S P D P N N    S P A R P E T S R P</p> <p>K T P P T I I G P L    A T R P T T R L T S    K G R P L V P T P Q    H T P L F S F L T A</p> <p>S P A L D T L F V V    S T V I H T L S F L    C I G A M A T H L C    G G W S R R G R R T</p> <p>H P S V R Y V C L P    S E R G</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>The glycoprotein G/gG protein serves as a chemokine-binding protein, exerting its function by inhibiting the chemotaxis of neutrophils. This protein plays a critical role in modulating the movement of neutrophils, preventing their migration in response to chemokine signals. By acting as a regulator of neutrophil chemotaxis, glycoprotein G/gG contributes to the fine-tuned control of immune responses, influencing the recruitment and positioning of immune cells within tissues. This inhibition of neutrophil chemotaxis highlights the protein's significance in the intricate orchestration of the immune system</p>
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and its potential role in maintaining immune homeostasis.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA