

## Herpes Simplex Virus (HSV)

Herpes Simplex Virus (HSV) is an enveloped virus belonging to the Herpesviridae family, comprising two main species: **HSV-1** and **HSV-2**. HSV-1 is primarily responsible for orofacial and genital infections, while HSV-2 is more commonly associated with genital and severe neonatal infections. Globally, HSV-1 affects over 3.7 billion people, whereas HSV-2 impacts approximately 500 million individuals, highlighting the substantial burden posed by these viruses.

The HSV genome is a large, linear, double-stranded DNA molecule, approximately 150 kbp in length. Structurally, HSV consists of a capsid, tegument, and envelope. Vaccine development efforts focus primarily on envelope proteins, including gB, gC, gD, gE, and the gH/gL complex, which are critical targets due to their roles in host-virus interactions.

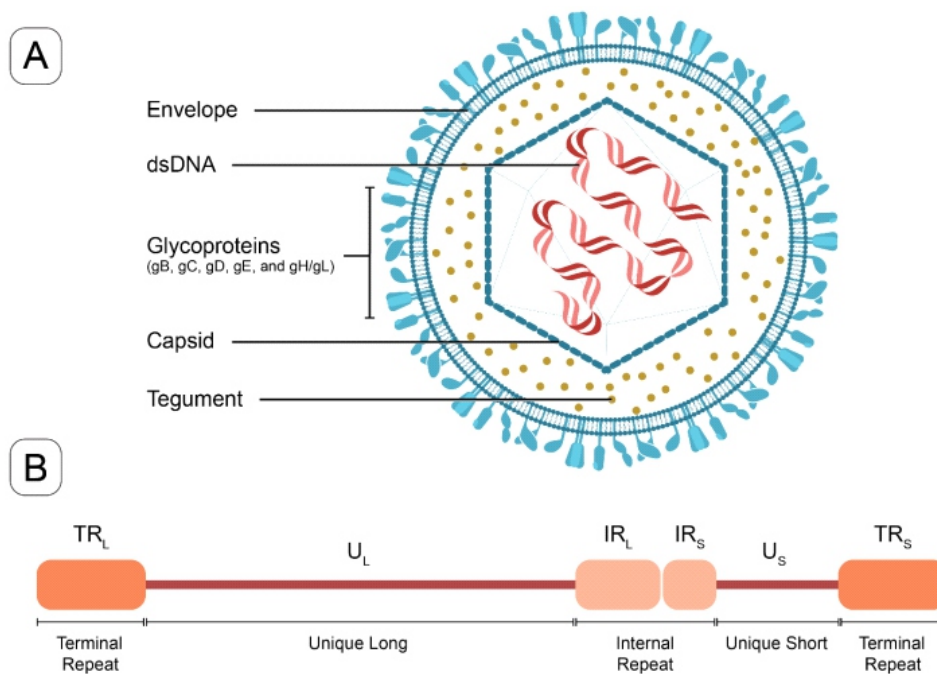


Fig 1. The structure of HSV virion and a schematic of HSV genome

At **AbinScience**, we advance HSV research by providing high-quality tools, including recombinant proteins, antibodies, and ELISA kits. Our solutions support studies on viral mechanisms and vaccine development, helping to reduce the global burden of HSV.

Catalog No.	Product Name
<b>Protein</b>	
VK520011	Recombinant HSV-1/HHV-1 gB Protein, C-Strep
VK746011	Recombinant HSV-1/HHV-1 gE Protein, C-His
VK746021	Recombinant HSV-1/HHV-1 gE Protein, C-His
VK413011	Recombinant HSV-1/HHV-1 gD Protein, C-His
VK695011	Recombinant HSV-1/HHV-1 gC Protein, C-His
VK701011	Recombinant HSV-2/HHV-2 gC/UL44 Protein, C-His
VK737011	Recombinant HHV2/HSV2 gD/US6 Protein, C-His
VK697011	Recombinant HHV2/HSV2 US8/Envelope glycoprotein E Protein, C-His
<b>Monoclonal Antibody</b>	
VK520010	InVivoMAb Anti-HSV1/HHV1 gB/Envelope glycoprotein B (ABV0235)
VK520020	InVivoMAb Anti-HSV1/HHV1 gB/Envelope glycoprotein B (Fd79)
VK413010	InVivoMAb Anti-HSV1/HHV1 gD/Envelope glycoprotein D (ABV0152)
VK413020	InVivoMAb Anti-HSV1/HHV1 gD/Envelope glycoprotein D (Fd138-80)
VK746010	InVivoMAb Anti-HSV1/HHV1 gE/Envelope glycoprotein E (ABV0022)
VK737013	Anti-HSV-2/HHV-2 gD/Envelope glycoprotein D Antibody (ABS0466)
HK413013	Anti-HSV1/HHV-1 gD Nanobody (G44)
<b>Polyclonal Antibody</b>	
VK624014	Anti-HSV-1/HHV-1 gG/US4 Polyclonal Antibody
VK746014	Anti-HSV-1/HHV-1 gE Polyclonal Antibody
VK413014	Anti-HSV-1/HHV-1 gD Polyclonal Antibody
VK624024	Anti-HSV-1/HHV-1 gG/US4 Polyclonal Antibody
VK751014	Anti-HSV-1/HHV-1 TRX1/UL38 Polyclonal Antibody
VK701014	Anti-HSV-2/HHV-2 gC/UL44 Polyclonal Antibody
VK606014	Anti-HSV-2/HHV-2 gG/US4 Polyclonal Antibody
VK737014	Anti-HHV-2/HSV2 gD/US6 Polyclonal Antibody
<b>Kit</b>	
VK624018	HSV-1/HHV-1 gG/US4 ELISA Kit
VK520018	HSV-1/HHV-1 gB ELISA Kit
VK746018	HSV-1/HHV-1 gE ELISA Kit
VK413018	HSV-1/HHV-1 gD ELISA Kit
VK695018	HSV-1/HHV-1 gC ELISA Kit
VK606018	HSV-2/HHV-2 gG/US4 ELISA Kit
VK737018	HSV-2/HHV-2 gD/US6 ELISA Kit
VK697018	HSV-2/HHV-2 US8/gE ELISA Kit

All products are for research use only



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