

## HSV-1 gD

**Description:**The E.Coli derived recombinant protein contains the HSV-1 gD immunodominant regions, 266-394 amino acids and fused to a GST-Tag at C-terminus.

Catalog #:HSPS-228

**Purity:**HSV-1 gD protein is >95% pure as determined by 10% PAGE (coomassie staining).

For research use only.

**Purification Method:**

HSV-1 gD was purified by proprietary chromatographic technique.

**Specificity:**

Immunoreactive with sera of HSV-infected individuals.

**Formulation:**

25mM Tris-HCl, 1mM EDTA, and 50% glycerol.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Entry of HSV into the host cell involves interactions of several viral glycoproteins with cell surface receptors. The virus particle is covered by an envelope which, when bound to specific receptors on the cell surface, will fuse with the cell membrane and create an opening, or pore, through which the virus enters the host cell. The sequential stages of HSV entry are analagous to those of other viruses. At first, complementary receptors on the virus and cell surface bring the two membranes into proximity. In an intermediate state, the two membranes begin to merge, forming a hemifusion state. Finally, a stable entry pore is formed through which the viral envelope contents are introduced to the host cell.

**Storage:**

HSV-1 gD protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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