

## HSV-1 glycoprotein D (gD)

CATALOG NUMBER: HSV1-gD-005P, 50 µg, 1mg

### Introduction

Glycoprotein D (gD) is a structural component of the herpes simplex virus (HSV) envelope which is essential for virus entry into host cells. Herpesviruses have an envelope and an outer lipid bilayer which contains twelve surface glycoproteins. For infectivity to be attained, the double stranded DNA genome of HSV must enter the host cell through means of fusion of its envelope with the cellular membrane or via endocytosis. Other viral glycoproteins involved in the process of viral cell entry include gC,gB,gD,gH, and gL, but only gC,gB,gD, and gH are required for the fusion of the HSV's envelope with the cellular membrane.

### Description

Recombinant HSV-1 glycoprotein D expressed and purified from 293 cells

### Viral Protein

C-terminal 6xhis-tagged recombinant gD (HSV-1) (amino acid 27-310) (GenBank accession#: AAK19597)

### Applications

Western blot standard, antibody ELISA, immunogen, etc.

### Storage

Store at -20 °C; Stable for two weeks from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.

### Concentration

1 mg/ml in PBS

### Purity

> 95% pure by 10% SDS-PAGE gel



**SDS-PAGE:** purified glycoprotein D (HSV-1) protein