

## Product datasheet

# Recombinant HSV1 gD protein ab43045

### Overview

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<b>Product name</b>	Recombinant HSV1 gD protein
<b>Protein length</b>	Protein fragment

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

#### Amino Acid Sequence

**Additional sequence information** The protein contains the HSV-1 gD immunodominant regions.

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab43045** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Biological activity</b>	Immunoreactive with sera of HSV infected individuals, excellent antigen for detection of HSV with minimal specificity problems.
<b>Applications</b>	ELISA Western blot
<b>Purity</b>	> 95 % SDS-PAGE. Sephacrose derived purification.
<b>Form</b>	Liquid

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituents: 0.395% Tris HCl, 0.0292% EDTA, 50% Glycerol
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### General Info

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<b>Relevance</b>	Herpes simplex type 1 (HSV-1) belongs to a family that includes HSV-2, Epstein-Barr virus (EBV) and Varicella zoster (chicken pox) virus amongst others. HSV-1 and HSV-2 are extremely difficult to distinguish from each other. Members of this family have a characteristic virion structure. The
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double stranded DNA genome is contained within an icosahedral capsid embedded in a proteinaceous layer (tegument) and surrounded by a lipid envelope, derived from the nuclear membrane of the last host, which is decorated with virus-specific glycoproteins spikes. These viruses are capable of entering a latent phase where the host shows no visible sign of infection and levels of infectious agent become very low. During the latent phase the viral DNA is integrated into the genome of the host cell. Glycoprotein D (gD) has been implicated in binding to cellular receptors that facilitate virus penetration into cells. Herpes simplex virus type 1 (HSV-1) glycoprotein D (gD) is an essential component of the entry apparatus that is responsible for viral penetration and subsequent cell-cell spread.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
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