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Datasheet for ABIN7448075  
**HSV-2 gE Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	HSV-2 gE (HSV2 gE)
Origin:	Herpes simplex virus type 2
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSV-2 gE protein is labelled with His tag.

### Product Details

Purpose:	HSV-2 (HG52) Glycoprotein E Protein, His Tag (MALS verified)
Sequence:	Ala 21 - Arg 414
Characteristics:	HSV-2 (HG52) Glycoprotein E, His Tag is expressed from human 293 cells (HEK293). It contains AA Ala 21 - Arg 414 (Accession # P89475).
Purity:	90,00 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified

### Target Details

Target:	HSV-2 gE (HSV2 gE)
Alternative Name:	HSV-2 Glycoprotein E ( <a href="#">HSV2 gE Products</a> )
Target Type:	Viral Protein

## Target Details

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**Background:** Synonyms:Glycoprotein E (HSV-2),Description:Herpesvirus infections are widely spread throughout the world population. Herpes simplex virus (HSV) belongs to the  $\alpha$ -herpesvirus subfamily. There are two main types of HSV, HSV-1 and HSV-2, which infect humans. HSV-2 mainly causes genital lesions, whereas HSV-1 is involved in both oral and genital infections. In epithelial cells, the heterodimer gE/gI is required for the cell-to-cell spread of the virus, by sorting nascent virions to cell junctions. Once the virus reaches the cell junctions, virus particles can spread to adjacent cells extremely rapidly through interactions with cellular receptors that accumulate at these junctions. Implicated in basolateral spread in polarized cells. In neuronal cells, gE/gI is essential for the anterograde spread of the infection throughout the host nervous system.

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**Molecular Weight:** 45.0 kDa

## Application Details

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**Comment:** This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 45.0 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

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**Buffer:** PBS, pH 7.4

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**Storage:** -20 °C

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**Storage Comment:** -20°C