Varicella Zoster Virus gE, His Tag, HEK293

Catalog Number	LDG026PVM
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin

Varicella-zoster virus (strain Oka vaccine) (HHV-3) (Human herpesvirus 3)

Expression system

HEK293

Affinity Tag

His Tag (C-term)

Buffer

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 62.2 kDa.
The protein migrates as 60-75 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.1 EU per 1 μg of the protein by the LAL method.

Mycoplasma

Not detected

Form

Lyophilized

Background

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Background

Varicella Zoster Virus (VZV) gE is a glycoprotein encoded by the VZV genome, essential for viral replication and pathogenesis. It is primarily involved in viral assembly, maturation, and egress from infected cells. Additionally, gE facilitates viral spread by promoting cell-to-cell fusion, enabling VZV to evade host immune responses and establish persistent infection. The interaction of gE with other viral proteins, such as gI and gB, plays a crucial role in VZV virulence and pathogenicity. Furthermore, gE has been identified as a target for antiviral therapies and vaccine development against VZV infection, including chickenpox and shingles. Understanding the molecular mechanisms underlying gE function provides valuable insights into VZV pathogenesis and offers opportunities for the development of novel therapeutic strategies to combat VZV-related diseases.

Synonyms

Envelope glycoprotein E

Uniprot ID

Q9J3M8

Sequence Note

Met1-Ala546

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

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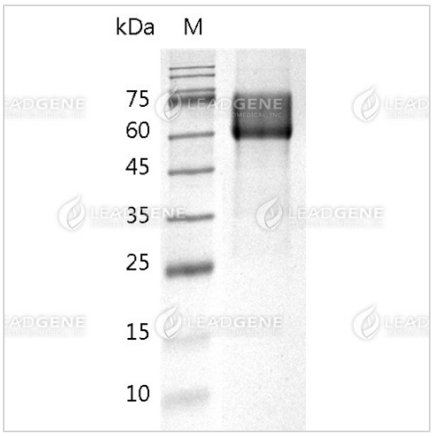
Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image



SDS-PAGE analysis of VZV gE protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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