

Recombinant Pseudorabies virus gE Protein

Catalog No.: RP00659LQ

Sequence Information

Species **Gene ID**

Pseudorabies virus, PRV 2952517

Swiss Prot **Tags**

Q6UK11 C-His

Synonyms

US8, Envelope glycoprotein E

Product Information

Source **Purification**

HEK293 cells ≥ 95 % as determined by HPLC.

Calculated MW **Observed MW**

43.63 kDa 50–65 kDa

Endotoxin

Please contact us for more information.

Formulation

0.22 µm filtered solution of PBS, pH 7.4.

Reconstitution

Background

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. Together with US9, the heterodimer gE/gI is involved in the sorting and transport of viral structural components toward axon tips.

Basic Information

Description

Recombinant Pseudorabies virus gE Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu22–Asn419) of Pseudorabies virus gE fused with a His tag at the C-terminus.

Activity**Shipping**

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –70°C

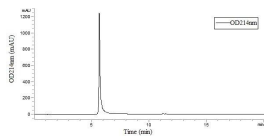
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Pseudorabies virus gE Protein is greater than 95% as determined by SEC-HPLC.