

Recombinant Varicella-zoster virus Glycoprotein E, GST-tagged

Cat. No. ORF68-02V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Varicella Zoster virus gE encodes the immunodominant sequences of the VZV Glycoprotein E. Recombinant VZV Glycoprotein E contains an N terminal GST purification tag.
Species	VZV
Source	E.coli
Description	Varicella-zoster virus (VZV) is an extremely cell-associated alpha herpesvirus. It interacts with cell surface heparan sulfate proteoglycans during virus attachment. VZV-gE is a glycoprotein that plays an active or supportive role in VZV cell membrane fusion. VZV-gE was found to enhance the fusogenic potential of VZV gB.
Form	Lyophilized from 25mM Tris-HCl pH 8.0, 1mM EDTA and 50% glycerol.
Molecular Mass	This molecule has a calculated mass of approximately 11kDa. Approximately 37 kDa protein under non-reducing conditions and reducing conditions in SDS-PAGE.
Purity	> 95 %
Applications	VZV gE antigen is suitable for ELISA and Western blots, excellent antigen for detection of VZV with minimal specificity problems.
Usage	This product is for research purposes only. It may not be used for therapeutics or

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diagnostic purposes.

Storage

The lyophilized protein is stable for at least 2 years from date of receipt at -20 centigrade. Upon reconstitution, this protein can be stored in working aliquots at 2 centigrade- 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

Reconstitution

A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.

GENE INFORMATION

Gene Name	ORF68 envelope glycoprotein E [Human alphaherpesvirus 3 (Varicella-zoster virus)]
Official Symbol	ORF68
Synonyms	HHV3_gp69
Gene ID	1487709
Protein Refseq	NP_040190
UniProt ID	Q9J3M8

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