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## Product Data Sheet

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Product Name: VZV gE  
Cat. No.: GP25357  
Batch No.: 1

### Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	60mM NaCl, 50mM Tris-HCl pH 8.0, 0.25% Sarkosil, 10mM glutathione and 50% glycerol.		

### Introduction

VZV is closely related to the herpes simplex viruses(HSV), sharing much genome homology. The known envelope glycoproteins (gB, gC, gE, gH, gI, gK, gL) correspond with those in HSV, however there is no equivalent of HSV gD. VZV virions are spherical and 150-200 nm in diameter. Their lipid envelope encloses the nucleocapsid of 162 capsomeres arranged in a hexagonal form. Its DNA is a single, linear, double-stranded molecule, 125,000 nt long. The virus is very susceptible to disinfectants, notably sodium hypochlorite. Within the body it can be treated by a number of drugs and therapeutic agents including aciclovir, zoster-immune globulin(ZIG), and vidarabine.

### Stability

Varicella Protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

### Background

The E.Coli derived recombinant protein contains the VZV gE immunodominant regions, amino acids 48-135 and fused to a GST-Tag at N-terminus.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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