

## Recombinant Varicella Zoster Virus gE (aa 48-135) GST

|                    |           |                  |        |
|--------------------|-----------|------------------|--------|
| <b>Catalog No.</b> | CSI15903A | <b>Quantity:</b> | 100 µg |
|                    | CSI15903B |                  | 0.5 mg |
|                    | CSI15903C |                  | 1.0 mg |

**Description:** 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. The *E. coli* derived recombinant protein contains the VZV gE immunodominant regions, amino acids 48-135 and fused to a GST-Tag at C-terminus.

**Source:** *E. coli*

**Formulation:** 25 mM Tris-Hcl, pH 8.0 + 1 mM EDTA and 50% glycerol.

**Purity:** Varicella protein is >95% pure as determined by 10% PAGE (coomassie staining).

**Purification Method:** Varicella was purified by proprietary chromatographic technique.

**Specific Activity:** Immunoreactive with sera of VZV-infected individuals.

**Applications:** Varicella Zoster antigen is suitable for ELISA and Western blots, excellent antigen for detection of VZV with minimal specificity problems.

**Storage & Stability:** Varicella Protein is shipped at ambient temperature.  
Upon arrival, Store at -20°C.  
Stability: Five years frozen. One month in solution at room temperature.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**