Recombinant Hantavirus HVZ10_sSgp1 protein, GST-tagged

Cat. No. HVZ10_sSgp1-68H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Hantavirus nucleocapsid (N) fusion protein is expressed in E. coli and fused to a GST-tag at N-terminus, having an Mw of 37kDa. Hantavirus nucleocapsid (N) is conserved among different strains, and is used to test the specific IgM and IgG to Hantavirus.
Species	Hantaan virus
Source	E.coli
Description	Hantaviruses is part of the Bunyaviridae family of viruses. Hantaviruses are transmitted by aerosolized rodent excretia or rodent bites. The infection of Hantavirus is called hemorrhagic fever with renal syndrome (HFRS) relating with high mortality, and several other Hantaviruses are associated with the etiologic agents causing Hantavirus pulmonary syndrome (HPS) or Hantavirus cardiopulmonary syndrome (HCPS). Hantavirus infection increases vascular permeability and decreases blood pressure due to endothelial dysfunction, the most dramatic damage is seen in the kidneys, while lung, spleen, and gall bladder are most affected. Regions affected by HFRS include China, the Korean Peninsula, Russia, and northern and western Europe. Regions with the highest incidences of HPS or HCPS include Argentina, Chile, Brazil, the United States, Canada, and Panama. The agent causing HCPS in South America is Andes virus, one member of Hantavirus, which causes a person-to-person transmission, fatality rate, was reported about 25-35% in Argentina and of 37% in Chile.

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Form	Sterile filtered colorless solution. HTNV (5mg/ml) is formulated in 1xPBS pH-7.4 and 0.5mM EDTA.
Molecular Mass	37kDa
Purity	HTNV protein is >95% pure as determined by 10% PAGE (coomassie staining).
Applications	Immunoassay.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Storage	Upon arrival, Store at -20°C. Please avoid multiple freeze/thaw cycles.
Shipping	Ice Packs

GENE INFORMATION

Gene Name	HVZ10_sSgp1 nucleocapsid protein [Hantavirus Z10]
Official Symbol	HVZ10_sSgp1
Synonyms	HVZ10_sSgp1; nucleocapsid protein
Gene ID	5075890
Protein Refseq	YP_138528.1
UniProt ID	Q9QEE5

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