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Certificate of Analysis and Data Sheet

Recombinant Hepatitis E Virus Mosaic ORF2/ORF3 38.5 kDa

Catalog No.
228-10699

Source
Escherichia Coli

Introduction:

Hepatitis E virus (HEV), the major etiologic agent of enterically transmitted non-A, non-B hepatitis worldwide, is a spherical, non-enveloped, single stranded RNA virus that is approximately 32 to 34 nm in diameter. HEV belongs to a genus of HEV-like viruses (unassigned genus). HEV has a single-stranded polyadenylated RNA genome of approximately 8 kb. Based on its physicochemical properties it is presumed to be a calici-like virus.

Description:

The e.coli derived HEV Mosaic protein contains 12 HEV immunodominant regions from ORF2 and ORF3 having a molecular mass of 38.5 kDa.

Purification Method

HEV Mosaic protein was purified by proprietary chromatographic technique.

Purity

HEV Mosaic protein is >95% pure as determined by 10% PAGE (coomassie staining).

Formulation

25mM Tris-HCl, 1mM EDTA, 0.5M urea and 50% glycerol.

Stability

5 years frozen. 1 month at room temperature.

Storage

HEV Mosaic protein is shipped at ambient temperature. Upon arrival, Store at -20°C.

Specificity

Immunoreactive with sera HEV-infected individuals.

Applications

HEV Mosaic antigen is suitable for ELISA and Western blots, excellent antigen for detection of HEV with minimal specificity problems.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**