

## Hepatitis E Virus / HEV Mosaic ORF2/ORF3 (4 regions) - Purified

**Catalog No.:** AR10616PU-L

**Quantity:** 1 mg

**Background:** 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.

**Source:** E. coli

**Format:** **Purity:** HEV Mosaic-S protein is >95.0% pure as determined by 10.0% PAGE (coomassie staining).

**Purification Method:** HEV Mosaic-S was purified by proprietary chromatographic technique.

**Buffer System:** 25mM Tris-HCl, 1mM EDTA, 0.5M Urea and 50% Glycerol

**Applications:** HEV Mosaic -S antigen is suitable ELISA and Western blots, excellent antigen for detection of HEV with minimal specificity problems.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Description:** The *E.coli* derived HEV Mosaic-S protein contains 4 HEV immunodominant regions from the ORF2 and ORF3 having a total molecular mass of 33 kDa. The 4 HEV regions is a part of the 12 HEV regions. HEV Mosaic-S comprises of epitope N- terminus of ORF2 and epitope of approximately 500±100aa of ORF3.

**Specificity:** Immunoreactive with sera HEV-infected individuals.

**Molecular weight:** 33 kDa

**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.