

## Hepatitis E Virus / HEV ORF2 (633-659) - Purified

**Catalog No.:** AR10615PU-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:** >95.0% pure as determined by 10.0% PAGE (coomassie staining).  
**Purification Method:** HEV ORF2 protein was purified by proprietary chromatographic technique.

**Buffer System:** 20mM Tris-HCl pH-8, 8M Urea and 10mM B-ME

**Applications:** HEV ORF2 antigen is suitable for 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 protein is fused with beta-Galactosidase at the N-Terminus and contains the HEV immunodominant ORF2 633-659 amino acids.

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

**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.