

Product Data Sheet

Cat # RP-528

Recombinant Hepatitis E Virus ORF2 (452-617)

**Size:** 100 ug

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 protein contains the HEV immunodominant regions from ORF2 452-617 a.a HEV ORF2 protein was purified by proprietary chromatographic technique (95% pure). It is supplied in 25mM Tris-HCl, 1mM EDTA, 0.5M urea and 50% glycerol.

**Storage:**

HEV ORF2 protein is shipped at ambient temperature. Upon arrival, Store at -20°C.

If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage..

**Stability:**

Five years frozen. One month in solution at room temperature.

**Specificity:**

Immunoreactive with sera HEV-infected individuals.

**Applications:**

HEV ORF2 antigen is suitable for ELISA and Western blots, excellent antigen for detection of HEV with minimal specificity problems.

**Usage:**

This item is for LABORATORY ESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household

**References:**

Balayan MS (1983) Intervirology 20 (1) 23-31; Reyes GR (1990) Science 247 (4948): 1335-9

**Related items**

Catalog#	ProdDescription
RP-527	Recombinant Hepatitis E Virus Mosaic ORF2/ORF3 38.5 kDa
RP-528	Recombinant Hepatitis E Virus (HEV) ORF2 (452-617)
RP-529	Recombinant Hepatitis E Virus (HEV) ORF2 (633-659)
RP-530	Recombinant Hepatitis E Virus (HEV) ORF2 (403-461)
RP-531	Recombinant Hepatitis E Virus (HEV) ORF3
RP-532	Recombinant Hepatitis E Virus (HEV) Mosaic-S ORF2/ORF3 33kDa

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