

Product Data Sheet

Cat # RP-532

Recombinant Hepatitis E Virus Mosaic-S ORF2/ORF3 33kDa

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 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. HEVMosaic-S comprises of epitope N- terminus of ORF2 and epitope of approximately 500±100aa of ORF3.

HEV Mosaic-S was purified by proprietary chromatographic technique (>95%). Supplied in 25mM Tris-HCl, 1mM EDTA, 0.5M urea and 50% glycerol. 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

Storage:

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

Stability:

5 years frozen. 1 month at 4 room temperature.

Specificity:

Immunoreactive with sera HEV-infected individuals.

Applications:

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

Usage:

This item is for LABORATORY ESEARCH USE ONLY.

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

RP-532 rev 120411A