

Hepatitis D Virus / HDV (1-108) - Purified

Catalog No.: AR10612PU-N

Quantity: 0.5 mg

Concentration: 1.0 mg/ml

Background: The HDV genome exists as a negative sense, single-stranded, closed circular RNA. Because of a nucleotide sequence that is 70% self-complementary, the HDV genome forms a partially double stranded RNA structure that is described as rod-like. With a genome of approximately 1700 nucleotides, It has been proposed that HDV may have originated from a class of plant viruses called viroids. Evidence in support of this hypothesis stems from the fact that both HDV and viroids exist as single-stranded, closed circular RNAs that have rod-like structures. Likewise, both HDV and viroids contain RNA sequences that can assume catalytically active structures called ribozymes.

Source: E. coli

Format: **State:** Liquid purified protein
Purity: >90% pure (10% PAGE coomassie staining).
Purification Method: Inclusion Bodies.
Buffer System: 10mM Carbonate Buffer, pH 10, 100mM NaCl, Glycerol 50%.

Applications: Antigen in ELISA and Western blots, excellent antigen for detection of HDV with minimal specificity problems.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: E.coli derived Recombinant Hepatitis D Virus (HDV).
Contains the HDV immunodominant regions, amino acids 1-108aa, 151-209aa.
Specificity: Immunoreactive with sera of HDV-infected individuals.

Storage: Protein is shipped at ambient temperature.
Upon arrival, Store the antigen at -20°C.
One month in solution at room temperature.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.