

Product datasheet for **AR00074PU-N**

Hepatitis D Virus / HDV Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Hepatitis D Virus / HDV recombinant protein, 1 mg
Expression Host:	E. coli
Concentration:	lot specific
Purity:	>90% pure (10% PAGE coomassie staining). Purification Method: Inclusion Bodies.
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 10 mM Carbonate bicarbonate buffer, pH 10, 100 mM NaCl, 50% Glycerol Preservative: None
Preparation:	Liquid purified protein
Applications:	ELISA. Western Blot.
Protein Description:	<i>E.coli</i> derived Recombinant Hepatitis D Virus (HDV). Contains the HDV immunodominant region. Does <u>not</u> contain a fusion partner. Specificity: Immunoreactive with HDV positive sera.
Storage:	Store the protein at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	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.



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