Recombinant Hepatitis D Virus (aa 1-108; 151-209)

Catalog No.	CSI15787A	**Quantity:**	100 µg
	CSI15787B		0.5 mg
	CSI15787C		1.0 mg

Description: 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.
The *E.Coli* derived recombinant protein contains the HDV immunodominant regions, amino acids 1-108 aa, 151-209 aa.

Source: *E. coli*

Formulation: 10 mM carbonate buffer pH 10.0, + NaCl 100mM + 50% glycerol.

Purification Method: Purified by proprietary chromatographic technique.

Specific Activity: Immunoreactive with sera HDV-infected individuals.

Storage & Stability: HDV although stable at 4°C for 1 week, should be stored below -18°C.
Please prevent freeze thaw cycles.

Applications: Antigen in ELISA and Western blots, excellent antigen for detection of HDV with minimal specificity problems.

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