

## Recombinant Hepatitis A Virus VP3 (aa 304-415)

<b>Catalog No.</b>	CSI15702A	<b>Quantity:</b>	100 µg
	CSI15702B		0.5 mg
	CSI15702C		1.0 mg

**Alternate Names:** HAV VP3

**Description:** Forty-two antigenic domains were identified across the hepatitis A virus (HAV) polyprotein by using a set of 237 overlapping 20-mer synthetic peptides spanning the entire HAV polyprotein. Nineteen antigenic domains were found within the structural proteins, and 22 were found within the nonstructural proteins, with 1 domain spanning the junction of VP1 and P2A proteins. Five of these domains were considered immunodominant, as judged by both the breadth and the strength of their immunoreactivity. One domain is located within the VP2 protein at position 57-90 aa. A second domain, located at position 767-842 aa, contains the C-terminal part of the VP1 protein and the entire P2A protein. A third domain, located at position 1403-1456 aa, comprises the C-terminal part of the P2C protein and the N-terminal half of the P3A protein. The fourth domain, located at position 1500-1519 aa, includes almost the entire P3B, and the last domain, located at position 1719-1764 aa, contains the C-terminal region of the P3C protein and the N-terminal region of the P3D protein. Four of the five most immunoreactive domains are derived from small HAV proteins and/or encompass protein cleavage sites separating different HAV proteins.

**Source:** *E. coli*

**Concentration:** 1.1 mg/ml

**Molecular Weight:** 38 kDa (245 aa) contains the VP3 immunodominant regions, amino acids 304-415

**Tag:** C-terminal 6x His tag

**Formulation:** PBS containing 50 mM arginine

**Purity:** >95%, determined by 12% PAGE with Coomassie stain

**Purification Method:** HAV VP3 protein was purified by proprietary chromatographic technique.

**Specificity:** Immunoreactive with sera HAV-infected individuals.

**Storage & Stability:** Stable at 2-8°C for 1 week. Upon receipt, store unopened vial at -20°C to -80°C for up to 1 year. **Avoid repeated freeze/thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

