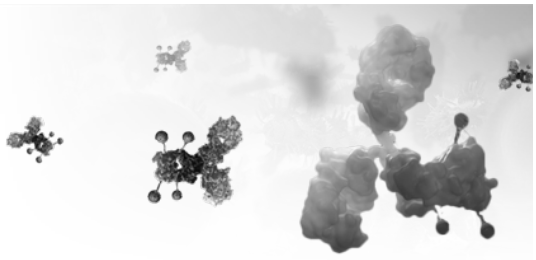

Recombinant HAV P2C-P3A (DAG1448)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant HAV P2C-P3A protein containing amino acids 1392-1521 was expressed in E. coli and purified by proprietary chromatographic technique.
Species	HAV
Purity	> 90% pure as determined by 10% PAGE (coomassie staining).
Conjugate	Unconjugated
Applications	HAV P2C-P3A antigen is suitable for ELISA and Western blots, excellent antigen for detection of HAV with minimal specificity problems.
Size	100 µg, 500 µg, 1 mg
Buffer	10mM CBB, pH9.6, 0.1% SDS and 50% glycerol.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Hepatitis A Virus (HAV) is a 27nm nonenveloped, spherical, positive stranded RNA virus, classified within the genus hepatovirus of the picornavirus family and is among the smallest and structurally simplest of the RNA animal viruses. A single large polyprotein is expressed from a large open reading frame extending through most of the genomic RNA. This polyprotein is subsequently cleaved by a viral protease (3Cpro) to form three (possibly four) capsid proteins and several nonstructural proteins. HAV genomic replication occurs exclusively in the cytoplasm of the infected hepatocyte by a mechanism involving an RNA-dependent RNA polymerase.

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Keywords	picomavindae; hepatovirus; HAV P2C; Hepatitis A Virus P2C; Hepatitis A Virus (HAV) P2C; HAV; Hepatitis A Virus

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