



# Recombinant HAV VP1 (a.a. 502-605) (DAG3317)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant HAV VP1
<b>Specificity</b>	The E. coli derived 48 kDa recombinant protein contains the VP1 immunodominant region (amino acids 502-605). It is immunoreactive with sera HAV-infected individuals. The HAV VP1 protein was purified by proprietary chromatographic techniques. It is >90% pu
<b>Species</b>	HAV
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Applications include ELISA and western blots.
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	HAV; Hepatitis A Virus; Picornaviridae; Hepatovirus; Hepatitis A