



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

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

PRODUCT INFORMATION

Product Overview	Recombinant HAV VP1
Specificity	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
Species	HAV
Conjugate	Unconjugated
Applications	Applications include ELISA and western blots.
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.
Keywords	HAV; Hepatitis A Virus; Picornaviridae; Hepatovirus; Hepatitis A