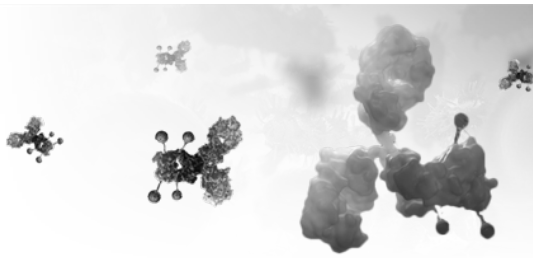

Recombinant HAV VP2-VP4 [GST] (DAG530)

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

PRODUCT INFORMATION

Product Overview	Recombinant Hepatitis A Virus (HAV), VP4-VP2 immunodominant region. Contains GST fusion partner, was expressed in E. coli. Molecular weight is 44kDa. Immunoreactive with HAV positive sera.
Species	HAV
Purity	> 90% pure (10% PAGE coomassie staining). Inclusion Bodies
Conjugate	GST
Applications	Suitable for use in ELISA and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	1 mg/ml
Size	100 µg
Buffer	10mM Carbonate-bicarbonate buffer, pH 9.6, 0.1% SDS containing 50% glycerol
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Hepatitis A virus (HAV) is the sole member of the Hepatovirus genus within the family Picornaviridae. The capsid of HAV encloses a single-stranded RNA genome of about 7.5 kb which is translated into a single polyprotein. The virion proteins VP1 to VP4 and the

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	nonstructural proteins are generated from the polyprotein by a cascade of proteolytic cleavages. Only one protease, viral protease 3C, has been implicated in the nine protein scissions. Processing of the capsid protein precursor region generates a unique intermediate, PX (VP1-2A), which accumulates in infected cells and is assumed to serve as precursor to VP1 found in virions, although the details of this reaction have not been determined. Capsid proteins VP1, VP2, and VP3 form a closed capsid enclosing the viral positive strand RNA genome. VP1 is a major viral antigen.
Keywords	HAV; HAV VP1-P2A; Hepatitis A Virus VP1-P2A; Picornaviridae; Hepatovirus

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