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HAV VP3

Hepatitis A Virus VP3 Recombinant
VAG0178

Product Overview

Name	HAV VP3

Description

Hepatitis A Virus VP3 Recombinant

Introduction

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

Escherichia Coli.

Formulation

PBS and 50mM Arginine

Stability

HAV VP3 Protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Purity

HAV VP3 protein is >95% pure as determined by 12% PAGE (coomassie staining).

Precautions

HAV VP3 is for research use only and not for use in diagnostic or therapeutic procedures.