
Product Data Sheet

Product Name: HCV Mosaic-A
Cat. No.: GP25253
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	HCV Mosaic-A protein solution containing PBS.		

Introduction

Hepatitis C is one type of viral hepatitis - a liver disease - caused by the hepatitis C virus (HCV) which is usually passed through contact with infected blood but can also pass through sex with an infected person and from mother to baby during childbirth. HCV core protein, NS3, NS4, and NS5 proteins of hepatitis C virus are all essential for detection of antibodies against HCV.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HCV Mosaic-A protein contains a short core peptide residue 1-50a.a., 1269-1316a.a. of NS3, three epitopes from NS4 and two epitopes from NS5 and the genotype of all sequences are 1b. A specific peptide was identified from each region; the four peptides from each region were linked together and expressed in E. coli. The recombinant protein migrates at 33kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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