



# Recombinant HCV type 1b Core, NS3, NS4, NS5 Mosaic Antigen (DAG1391)

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

## PRODUCT INFORMATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | 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 <i>E. coli</i> . The recombinant protein migrates at 33kDa. |
| <b>Species</b>          | HCV   |
| <b>Purity</b>           | Protein is >95% pure as determined by 12% PAGE (coomassie staining).  |
| <b>Conjugate</b>        | Unconjugated  |
| <b>Applications</b>     | ELISA, gold conjugation   |
| <b>Molecular Weight</b> | 33 kDa  |
| <b>Format</b>           | Liquid  |
| <b>Size</b>             | 100 µg, 500 µg, 1 mg  |
| <b>Buffer</b>           | PBS   |
| <b>Preservative</b>     | None  |
| <b>Storage</b>          | 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.  |
| <b>Ship</b>             | Shipped with Ice Packs  |

## BACKGROUND

**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.

**Keywords**

HCV; HCV Mosaic Antigen