

# HCV Combined Recombinant Protein



RPPB5423

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## Product Information    Protein Information

### Product SKU:

RPPB5423

### Protein description:

The E.Coli derived 70 kDa recombinant protein contains sequences from 4 gene products (proteins) of the hepatitis C virus (HCV) were scanned by using 3 different PCR-based techniques in search of the most immunoreactive regions suitable for the development of a diagnostic test for the detection of anti-HCV in human sera. All PCR fragments were cloned with pGEX4-2T expression vector and expressed in E. coli as chimeric proteins with glutathione S-transferase. The most diagnostically relevant proteins identified in this study were then constructed into one recombinant antigen. The protein contains the HCV nucleocapsid, NS3 genotype 1b, NS4 genotype 1b and 1a, and NS5 genotype 1b and 1a immunodominant regions.

### Formulation:

50mM Na-PO<sub>4</sub>, pH-8.5, 2.4mM EDTA, 5mM DTT and 0.1% SDS.

### Purity:

HCV protein is >95% pure as determined by 10% PAGE (coomassie staining).

### Stability:

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