9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-5485: Recombinant Hepatitis C Virus 4th Generation 65 kDa

Description

Source : Escherichia Coli. The E.Coli derived HCV fourth generation recombinant antigen is a large fusion protein, which contains core NS3, NS4 and NS5 regions. The recombinant protein migrates at 65kDa. To develop HCV rapid test product, this protein is used both for gold conjugation and coating to membrane. The products developed by this antigen have good performance in sensitivity and specificity. HCV is a small 50nm, enveloped, single-stranded, positive sense RNAvirus in the family Flaviviridae. HCV has a high rate of replication with approximately one trillion particles produced each day in an infected individual. Due to lack of proofreading by the HCV RNA polymerase, the HCV has an exceptionally high mutation rate, a factor that may help it elude the host's immune response. Hepatitis C virus is classified into six genotypes(1-6) with several subtypes within each genotype. The preponderance and distribution of HCV genotypes varies globally. Genotype is clinically important in determining potential response to interferon-based therapy and the required duration of such therapy. Genotypes 1 and 4 are less responsive to interferon-based treatment than are the other genotypes (2, 3, 5 and 6).

Product Info

Amount :	0.5 mg
Purification :	Protein is >95% pure as determined by 12% PAGE (coomassie staining).
Content :	Phosphate saline buffer with 25mM arginine.
Storage condition :	HCV 4th Generation although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.