

32-5458: Recombinant Hepatitis C Virus NS4

Description

Source : E.coli derived 30 kDa recombinant protein. Artificial mosaic polypeptide composite constructed from diagnostically relevant antigenic regions derived from the NS4 region. 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 :	HCV NS4 protein is >95% pure as determined by 10% PAGE (coomassie staining).
Content :	1.5M urea, 25mM Tris-HCl pH-8, 0.2% Triton-X & 50% Glycerol.
Storage condition :	HCV NS4 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.