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32-5469: Recombinant Hepatitis C Virus NS5 Genotype-2a

Description

Source : The E.coli derived recombinant protein contains the HCV NS5 Genotype 2a immunodominant regions, amino acids 2212-2313. The protein is fused to a GST tag at N-terminus. 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 NS5 Genotype-2a protein is >95% pure as determined by 10% PAGE (coomassie staining).
Content :	1.5M urea, 25 mM Tris-HCl, pH-8, 0.2% Triton-X & 50% Glycerol.
Storage condition :	HCV NS5 Genotype-2a 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.