
Product Data Sheet

Product Name: HCV NS4 Mosaic
Cat. No.: GP25278
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	8M Urea, 20mM Tris, 10 mM DTT, 1mM EDTA and 0.5 Tween-20, pH-9.		

Introduction

HCV is a small 50nm, enveloped, single-stranded, positive sense RNA virus 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).

Stability

HCV NS4 Mosaic although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Background

The E.Coli derived 66kDa recombinant HCV NS4 Mosaic protein fused to a His tag is an artificial mosaic polypeptide composite constructed from diagnostically relevant antigenic regions derived from the NS4 region of different HCV genotypes. The protein contains region 5-1-1 and region 59 containing sequence 1789 - 1867 aa and sequence 2322 - 2423 aa of the HCV NS4 genotype 1b and 10 other diagnostically relevant antigenic regions derived from the NS4 region of different HCV genotypes.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA