Recombinant Hepatitis C Virus HCV4G protein

Cat. No. HCV4G-82H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The E.Coli derived HCV fourth generation antigen recombinant protein contains medium size core (55aa), NS3 (226aa), NS4 (3 epitopes) & NS5 (3 epitopes). HCV 4th Generation migrates at 46kDa.
Species	HCV
Source	E.coli
Description	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).
Form	Phosphate saline buffer with 25mM arginine.
Molecular Mass	46kDa
Purity	Protein is >95% pure as determined by 12% PAGE (coomassie staining).

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Applications	Each laboratory should determine an optimum working titer for use in its particular application.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	HCV 4th Generation although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Shipping	Ice Packs

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