

Hepatitis C Virus Nucleocapsid Recombinant Protein | HCV recombinant protein

Recombinant Hepatitis C Virus Nucleocapsid (core) Genotype-4

CATALOG # AAA38307	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

Hepatitis C Virus Nucleocapsid; Recombinant Hepatitis C Virus Nucleocapsid (core) Genotype-4; HCV Core Genotype-4; Hepatitis C Virus Core Genotype-4 Recombinant; HCV Genotype-4; HCV recombinant protein

PRODUCT SPECIFICATIONS

Specificity	Immunoreactive with sera of HCV-infected individuals.
Purity/Purification	Purity: Protein is >95% pure as determined by 10% PAGE (coomassie staining). Purification Method: Purified by proprietary chromatographic technique.
Form/Format	(1mg/ml) 50mM Tris-HCl, pH 8.0, 60mM NaCl, 10mM glutathione, 0.25% sarkosil and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	3008
Applicable Applications for HCV recombinant protein	WB (Western Blot), ELISA
Preparation and Storage	HCV Core Genotype-4 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for HCV recombinant protein	Description: The E Coli derived recombinant protein contains the HCV core nucleocapsid immunodominant regions, amino acids 2-119. The protein is fused to a GST tag at N-Terminus. Introduction: 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 Categories/Family for HCV recombinant protein	Viral Antigens ; HEPATITIS C VIRUS ; Viral Antigens ; Hepatitis C

NCBI AND UNIPROT INFORMATION

NCBI GI #	157781209
NCBI GeneID	11027168
NCBI Accession #	YP_001469632.1
NCBI GenBank Nucleotide #	NC_009825.1
UniProt Accession #	O39929

Molecular Weight	327,599 Da
NCBI Official Full Name	HCV polyprotein
NCBI Official Symbol	HCV4_gp1
NCBI Protein Information	HCV polyprotein
UniProt Protein Name	Genome polyprotein
UniProt Gene Name	p23
UniProt Synonym Gene Names	NS4A; NS4B; NS5A
UniProt Entry Name	POLG_HCVED

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/p23-recombinant-protein-wb-western-blot-elisa/38307>