Recombinant HCV Polyprotein, His-tagged

Cat. No. HCVgp1-2052H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HCV NS3 protein fused to His-tag was expressed in*E.coli*and purified by using conventional chromatography techniques. 27.9 kDa (268aa).
Species	HCV
Source	E.coli
Description	HCV is a positive, single-stranded RNA virus in the Flaviviridae family. The polyprotein is processed by host cell and viral proteases into three major structural proteins including NS3, and several non-structural proteins necessary for viral replication. Nonstructural (NS) proteins of HCV play major roles in viral replication and the pathogenesis of liver diseases. The NS3 protein of hepatitis C virus (HCV) contains protease and RNA helicase activities, both of which are likely to be essential for HCV propagation.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSVAHL HAPTGSGKST KVPAAYAAQG YKVLVLNPSV AATLGFGAYM SKAHGVDPNI RTGVRTITTG SPITYSTYGK FLADGGCSGG AYDIIICDEC HSTDATSILG IGTVLDQAET AGARLVVLAT ATPPGSVTVS HPNIEEVALS TTGEIPFYGK AIPLEVIKGG

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	RHLIFCHSKK KCDELAAKLV ALGINAVAYY RGLDVSVIPT SGDVVVVSTD ALMTGFTGDF DSVIDCNT.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	HCVgp1 polyprotein [Hepatitis C virus]
Synonyms	Polyprotein; HCVgp1; core protein; E1 protein; E2 protein; p7 protein; NS2 protein; NS3 protease/helicase; NS4A protein; NS4B protein; NS5A protein; NS5B RNA-dependent RNA polymerase
Gene ID	951475
Protein Refseq	NP_671491

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