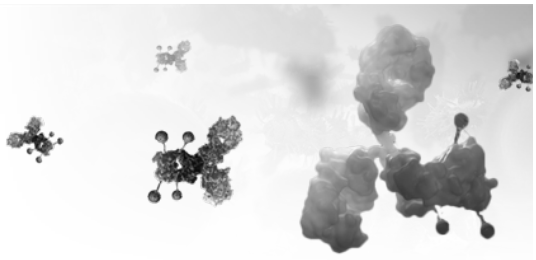

Recombinant Hepatitis C virus Non Structural Protein 3 (a.a. 1225-1456) [His] (DAGC050)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The E.coli derived recombinant protein contains a total of 268 amino acids having a Mw of 27.9 kDa. The protein contains the HCV NS3 immunodominant regions, amino acids 1225-1456. The HCV NS3 protein is fused to a 36 His Tag at N-terminus and purified by standard chromatography techniques.
Species	HCV
Purity	Protein is>95% pure as determined by SDS-PAGE.
Conjugate	His
Molecular Weight	27.9 kDa
Format	Liquid
Size	20 µg, 100 µg, 1 mg
Buffer	20mM Tris-HCl pH-8, 1mM DTT & 10% Glycerol
Preservative	None
Storage	HCV-NS3 His although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

BACKGROUND

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

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	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).
Keywords	Hepatitis C virus Non Structural Protein 3; HCV; HCV NS3; HCV NS-3

GENE INFORMATION

Protein Refseq	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSVAHL HAPTGSGKST KVPAAYAAQG YKVLVLNPSV AATLGFGAYM SKAHGVDPNI RTGVRTITTG SPITYSTYGK FLADGGCSGG AYDIIICDEC HSTDATSILG IGTVLDQAET AGARLVVLAT ATPPGSVTVS HPNIEEVALS TTGEIPFYGK AIPLEVIKGG RHLIFCHSKK KCDELAAKLV ALGINAVAYY RGLDVSVIPT SGDVVVVSTD ALMTGFTGDF DSVIDCNT

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