

HCV NS3 recombinant protein

HCV NS3, 1225-1456aa, HCV, His tag, E Coli

CATALOG # AAA48651	HOST E Coli	APPLICATIONS SDS-Page
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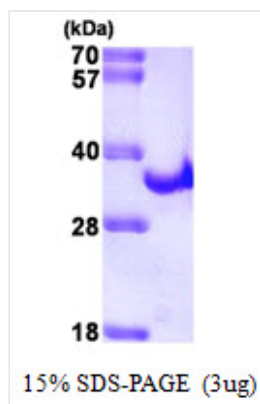
PRODUCT SYNONYMS

HCV NS3; 1225-1456aa; HCV; His tag; E Coli; NS3 protease/helicase; NS3 protease/helicase HCV NS3 transactivated protein; NS 3; NS3P; P70; Serine protease/NTPase/helicase.; HCV NS3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSVAHL HPTGSGKST KVPAAYAAQG YKVLVLNPSV AATLGFGAYM SKAHGVDPNI RTGVRTITTG SPITYSTYK FLADGGCSGG AYDIIICDEC HSTDATSILG IGTVLDQAET AGARLVVLAT ATPGSVTVS HPNIEEVALS TTGEIPFYGK AIPLEVIKGG RHLIFCHSKK KCDELAALKV ALGINAVAYY RGLDVSVIPT SGDVVVVSTD ALMTGFTGDF DSVIDCNT
Sequence Length	3011
Applicable Applications for HCV NS3 recombinant protein	SDS-PAGE
Antigen Species	HCV
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HCV NS3 recombinant protein	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. Recombinant HCV NS3 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HCV NS3 recombinant protein	Virus
References	Hahn JA., et al. (2007) J Infect Dis. 195 (11):1556-9. ; Caruntu FA., et al. (2006) J Gastrointestin Live Dis. 15 (3):249-56.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	22129793
NCBI GeneID	951475
NCBI Accession #	NP_671491
NCBI GenBank Nucleotide #	NC_004102.1
Molecular Weight	27.9 kDa (268aa), confirmed by MALDI-TOF.
NCBI Official Full Name	polyprotein
NCBI Official Symbol	HCVgp1
NCBI Protein Information	polyprotein; core protein; E1 protein; E2 protein; p7 protein; NS2 protein; NS3 protease/helicase; NS4A protein; NS4B protein; NS5A protein; NS5B RNA-dependent RNA polymerase

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.