

**HCV NS3, 1225-1456aa, HCV, His tag, E.coli**

**Cat.NO.: TP02415**

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3th Edition

**Synonyms:**NS3 protease/helicase

**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% glycerol1mM DTT

**Molecular Weight:**27.9 kDa (268aa), confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSVAHLHAPTGSGKSTKVPAAYAAQGYKVLVNLNPSVAA  
TLGFGAYMSKAHGVDPNIRTGVRTITTTGSPITYSTYKFLADGGCSGGAYDIIICDECHSTDATSILGIGTVLDQAETA  
GARLVVLTATPPGSVTVSHPNIEEVALSTTGEIPFYGKAIPLEVIKGRHLIFCHSKKKCDELAAKLVALGINAVAYY  
RGLDVSVIPTSGDVVVVSTDALMTGFTGDFDSVIDCNT

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.