

HCV-NS5b, 2634-2752aa, Hepatitis C Virus, His tag, E.coli

Cat.NO.: TP02419

3th Edition

Synonyms: Polyprotein ,

Description: Hepatitis C virus genotype 1 is a core protein packages viral RNA to form a viral nucleocapsid, and promotes virion budding. It modulates viral translation initiation by interacting with HCV IRES and 40S ribosomal subunit and also regulates many host cellular functions such as signaling pathways and apoptosis. It prevents the establishment of cellular antiviral state by blocking the interferon-alpha/beta (IFN-alpha/beta) and IFN-gamma signaling pathways and by inducing human STAT1 degradation. NS5B is a RNA-dependent RNA polymerase that plays an essential role in the virus replication. Recombinant HCV(Hepatitis C Virus) NS5b protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 17.0 kDa (155aa) confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSPMGFSYDTRCFDSTVTESDIRTEEAIYQCCDLDPQA
RVAIKSLTERLYVGGPLTNSRGENCGYRRCRASGVLTTSCGNTLTCYIKARAACRAAGLQDCTMLVCGDDLVICE
SAGVQED

Purity: > 95% by HPLC

Concentration: 0.25 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.