

HCV-NS5a, 2210-2306aa, Hepatitis C Virus, His tag, E.coli

Cat.NO.: TP02418

3th Edition

Synonyms: Polyprotein, Hepatitis C virus non-structural 5a protein membrane anchor

Description: NS5A is a component of the replication complex involved in RNA-binding. Its interaction with Human VAPB may target the viral replication complex to vesicles. This protein down-regulates viral IRES translation initiation and mediates interferon resistance, presumably by interacting with and inhibiting human EIF2AK2/PKR. NS5a seems to inhibit apoptosis by interacting with BIN1 and FKBP8. The hyperphosphorylated form of NS5A is an inhibitor of viral replication. Recombinant HCV(Hepatitis C Virus) NS5A 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 0.2M NaCl, 40% glycerol, 1mM DTT

Molecular Weight: 13.4 kDa (118aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSLKATCTANHDSPDAELIEANLLWRQEMGGNITRVESENKVVILDSFDPLVAEE
DEREVSVP AEILRKSR RFARALPVWARPDYNPPLVETWKKPDY

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.