

AR51559PU-S**HCV NS5A (2210-2306, His-tag) - Purified****Alternate names:**

Hepatitis C Virus Non-structural protein NS5A

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

NCBI:[NP_671491](#)**Source:**

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT**Description:**

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.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MSLKATCTAN HDSPDAELIE ANLLWRQEMG
GNITRVESENKVVILDSFDP LVAEEDEREV SVPAEILRKS RRFARALPVW ARPDYNPPLV
ETWKKPDY

Molecular weight: 13.4 kDa (118aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Taylor D.R., et al. (2001) J. Virol. 75:1265-1273 Kalliampakou K.I., et al. (2015) J. Gen. Virol. 86:1015-1025

Pictures: