

Recombinant HCV NS5a protein

Catalog Number: ATGP2739

PRODUCT INFORMATION

Expression system

E.coli

Domain

2210-2306aa

UniProt No.

N/A

NCBI Accession No.

NP_671491

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

13.4 kDa (118aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

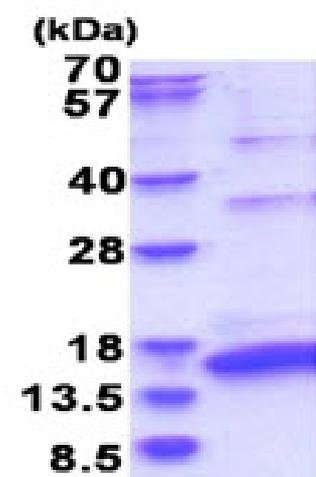
MGSSHHHHHHH SSGLVPRGSH MSLKATCTAN HDSPDAELIE ANLLWRQEMG GNITRVESENKVVILDSFDP LVAEEDEREV
SVP AEILRKS RRFARALPVW ARPDYNPPLV ETWKKPDY

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)