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Recombinant HCV E2 protein

Catalog Number: ATGP2676

PRODUCT INFORMATION

Expression system
E.coli

Domain
2634-2752aa

UniProt No.
N/A

NCBI Accession No.
NP_671491

Alternative Names
Polyprotein

PRODUCT SPECIFICATION

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

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% 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
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.

Amino acid Sequence

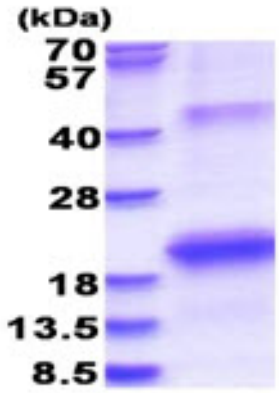
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>PMGF SYDTRCFDST VTESDIRTEE AIYQCCDLDP QARVAIKSLT ERLYVGGPLT NSRGENCGYR RCRASGVLTT SCGNTLTCYI KARAACRAAG LQDCTMLVCG DDLVVICESA GVQED

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



15% SDS-PAGE (3ug)

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