

Recombinant HCV Core protein

Catalog Number: ATGP2766

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-120aa

UniProt No.

B3TKP0

NCBI Accession No.

ACE82480

Alternative Names

Polyprotein, Human Hepatitis C Virus E2 protein fragment

PRODUCT SPECIFICATION

Molecular Weight

15.7 kDa (140aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

HCV-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. HCV-Core 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. Recombinant Hepatitis C virus Core protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

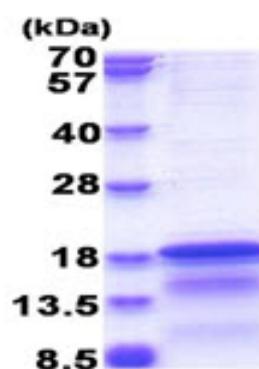
MGSSHHHHHHH SSGLVPRGSH MSTNPKPQRK TKRNTNRRPQ DVKFPGGGQI VGGVYLLPRR GPRLGVRATR KTSERSQPRG
RRQPIPKARR PEGRTWAQPG YPWPLYGNEG CGWAGWLLSP RGSRPSWGPT DPRRRSRNLG

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



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

15% SDS-PAGE (3 μ g)