

Recombinant Hepatitis C Virus Core Protein

CATALOG NO: P1548-100 100 µg
P1548-500 500 µg

ALTERNATE NAMES: Capsid protein, HCV Core Protein

MOL. WT. 16.5 kDa

SOURCE: *E. coli*

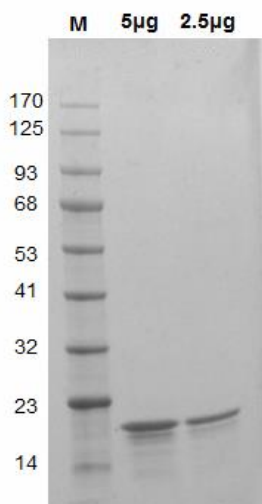
FORM: Liquid

FORMULATION: In 50 mM Tris pH 8 and 30% glycerol

STORAGE CONDITIONS: For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: Hepatitis C virus (HCV) is a major cause of chronic hepatitis, liver cirrhosis, and hepatocellular carcinoma. The HCV core protein is highly basic that forms the nucleocapsid and interacts with RNA. The protein contains three different domains. The N-terminus of the protein (amino acid 1-120) forms the hydrophilic domain which necessary for homo-oligomerization and forming the nucleocapsid. While the other domains contain are hydrophobic and interacts with the endoplasmic reticulum membranes. This is a soluble form of the protein, which can be used for ELISA and Western Blot positive controls.

AMINO ACID SEQUENCE: aa 1-150



SDS-PAGE (4-20%) Recombinant HCV Core Protein: Recombinant protein loaded under reducing conditions and stained with Coomassie Blue. Lane M-MW marker, Lanes 2-3 Hepatitis C Virus Core Protein

RELATED PRODUCTS:

- Recombinant Zika virus NS1 Protein (P1064)
- Recombinant West Nile Virus Envelope Protein (P1065)
- Recombinant Japanese Encephalitis Virus Envelope (P1112)
- Recombinant Chikungunya Virus E1(P1113)

FOR RESEARCH USE ONLY! Not to be used on humans.