

# HCV HCV-E1 / Envelope Glycoprotein E1 (His Tag)



Catalog Number: 500213

## General Information

### Gene Name Synonym

Core protein p21; Capsid protein C; p21; Core protein p19; Envelope glycoprotein E1; gp32; gp35; Envelope glycoprotein E2; NS1; gp68; gp70; p7; Protease NS2-3; Serine protease NS3; Hepacivirin; NS3P; p70; Non-structural protein 4A; p8; Non-structural protein 4B; p27; Non-structural protein 5A; p56; RNA-directed RNA polymerase; NS5B; p68

### Protein Construction

A DNA sequence encoding the envelope glycoprotein E1 of Hepatitis C virus (subtype 1b, strain HC-J4) (AAC15725.1) (Tyr192-Ile340) was expressed with a polyhistidine tag at the N-terminus.

### Organism

HCV

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

His

### Molecular Mass

The recombinant envelope glycoprotein E1 of Hepatitis C virus (subtype 1b, strain HC-J4) consists 168 amino acids and predicts a molecular mass of 18.7 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

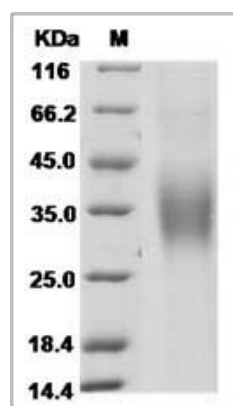
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Hepatitis C virus Envelope Glycoprotein E1 / HCV-E1 (subtype 1b, strain HC-J4) Protein (His Tag)