Recombinant Hepatitis C virus (HCV-1a) E2, His-tagged

Cat. No. HCV-1aE2-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the Hepatitis C virus (serotype 1a, isolate H77) E2 protein (NP_751921.1) (Glu1-Glu278) was expressed with a polyhistidine tag at the C-terminus.
Species	HCV
Source	Human Cells
ProteinLength	1-278 a.a.
Description	E2 is a viral structural protein found in the hepatitis C virus. It is present on the viral membrane and functions as a host receptor binding protein, mediating entry into host cells. Therefore, it is a key target for the design of entry inhibitors and vaccine immunogens. Hepatitis C virus (HCV or sometimes HVC) is a small (55–65 nm in size), enveloped, positive-sense single-stranded RNA virus of the family Flaviviridae. Hepatitis C virus is the cause of hepatitis C in humans.
Predicted N Terminal	Glu
Form	Lyophilized from sterile PBS, pH 7.41. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.2. Please contact us for any concerns or special requirements.
Molecular Mass	The recombinant virus E2 consists 289 amino acids and predicts a molecular mass of 32 kDa.

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Endotoxin	< 1.0 eu per μg of the protein as determined by the lal
Purity	>95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20? to -80?. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

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