

This product is still under development. Please contact us if you have interest in this product. We will accelerate the development process accordingly and reserve this product for you as request.

Synonym

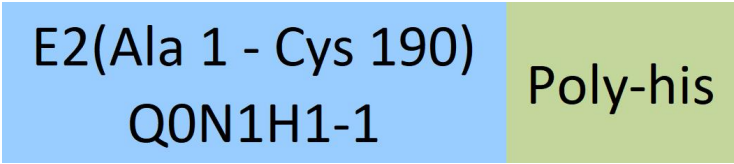
E2

Source

Hepacivirus C E2, His Tag (E2P-C52H7) is expressed from human 293 cells (HEK293). It contains AA Ala 1 - Cys 190 (Accession # Q0N1H1-1).

Predicted N-terminus: Ala 1

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 22.6 kDa.

Endotoxin

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Background

Glycoprotein E2 is an approximately 50 kDa viral envelope protein encoded by the hepatitis C virus (HCV) genome. HCV infection often progresses to severe, liver-associated diseases, such as cirrhosis, steatosis, and hepatocellular carcinoma. Both E1 and E2 are essential for infectivity, with E2 possessing the binding sites for the entry receptors CD81 and SCARB1. Moreover, glycoprotein E2 is BDCA-2 ligand and acts as an inhibitor of IFN production by plasmacytoid dendritic cells.

References

- (1) [Jacob, R. E. et al. Biochim Biophys Acta. 2008; 1784\(3\): 530-542.](#)
- (2) [Tarr, A. W. et al. Viruses. 2015; 7\(7\): 3995-4046.](#)
- (3) [Florentin, J. et al. Blood. 2012 Nov 29;120\(23\):4544-51.](#)

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.