Data Sheet (Cat.No.TMPY-00296)

TargetMol

Hepatitis C virus (HCV) (serotype 1c,isolate HC-G9) E2 Protein (His)

General Information

Synonyms: HCV-1a E2

Protein Construction: A DNA sequence encoding the Hepatitis C virus(serotype 1c,isolate HC-G9) E2 (BAA03581.1) (Glu384-Glu661) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Glu 384

Species: HCV

Expression Host: HEK293 Cells

Accession: BAA03581.1

Molecular Weight: 32.2 kDa (predicted)

QC Testing

Biological Activity: Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 95 % as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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