

Product datasheet

Recombinant Hepatitis C virus Hepatitis C Virus E2 protein (His tag) ab214832

1 Image

Description

Product name	Recombinant Hepatitis C virus Hepatitis C Virus E2 protein (His tag)
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 0.010 Eu/μg
Expression system	HEK 293 cells
Accession	<u>AF009606</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Hepatitis C virus
Sequence	AETHVTGGSAGRRTAGLVGLLTPGAKQNIQLINTNGSWHIN STALNCNES LNTGWLAGLFYQHKFNSSGCPERLASCRRLTDF AQGWG PISYANGSGLDE RPYCWHYPPRPCGMPAKSVCGPVYCF TPSPVVV GTTDR SGAPTYSWGAN DTDVFLNNTRPPLGNWFGCTWMNSTGFTKVC GAPPCVI GGVGNNTLLCP TDCFRKHPEATYSRCGSGPWITPRCMVDYPYRLWHYPCTI NYTIFKVRMY VGGVEHRLEAACNWTRGERCDLEDRDRSELS
Predicted molecular weight	31 kDa
Amino acids	383 to 663
Tags	His tag C-Terminus
Additional sequence information	Subtype 1a.

Specifications

Our **Abpromise guarantee** covers the use of **ab214832** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

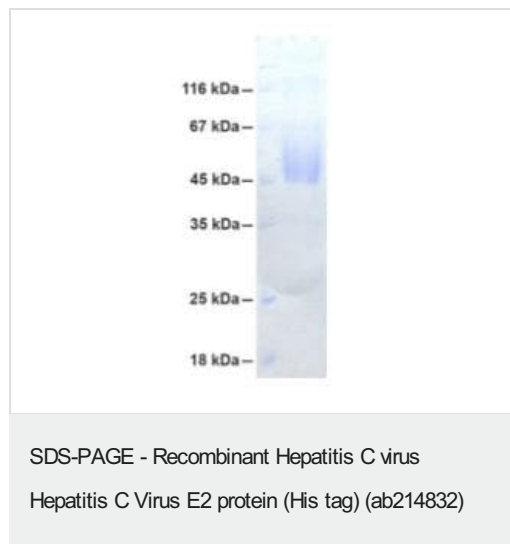
Stability and Storage Shipped at 4°C. Store at -20°C.
Preservative: 0.1% Sodium azide
Constituents: 20% Glycerol, 79% PBS

General Info

Relevance Hepatitis C E2 is a virus envelope glycoprotein which forms a heterodimer with the E1 protein. E2 inhibits human EIF2AK2/PKR activation, preventing the establishment of an antiviral state. E2 is a viral ligand for CD209/DC-SIGN and CLEC4M/DC-SIGNR, which are respectively found on dendritic cells (DCs), and on liver sinusoidal endothelial cells and macrophage-like cells of lymph node sinuses. These interactions allow capture of circulating HCV particles by these cells and subsequent transmission to permissive cells. DCs are professional antigen presenting cells, critical for host immunity by inducing specific immune responses against a broad variety of pathogens. They act as sentinels in various tissues where they entrap pathogens and convey them to local lymphoid tissue or lymph node for establishment of immunity. Capture of circulating HCV particles by these SIGN+ cells may facilitate virus infection of proximal hepatocytes and lymphocyte subpopulations and may be essential for the establishment of persistent infection.

Cellular localization Viral envelope protein.

Images



12% SDS-PAGE analysis of ab214832.

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