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Datasheet for ABIN5853806

HCV E2 Protein (AA 482-671) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	HCV E2
Protein Characteristics:	AA 482-671
Origin:	Hepatitis C Virus (HCV)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HCV E2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSERPY CWHYPPRPCG IVPAKSVCGP VYCFTPSPVV VGTDDRSGAP TYSWGANDTD VFVLNNTTRPP LGNWFGCTWM NSTGFTKVCG APPCVIGGVG NNTLLCPTDC FRKHPEATYS RCGSGPWITP RCMVDYPYRL WHYPCTINYT IFKVRMYVGG VEHRLEAACN WTRGERCDLE DRDRSELSPL LLSTTQ
Purity:	> 80 % by SDS - PAGE

Target Details

Target:	HCV E2
Alternative Name:	HCV-E2 (HCV E2 Products)
Target Type:	Viral Protein
Background:	E1 and E2 glycoproteins form a heterodimer that is involved in virus attachment to the host cell,

Target Details

virion internalization through clathrin-dependent endocytosis and fusion with host membrane. E1/E2 heterodimer binds to human LDLR, CD81 and SCARB1/SR-BI receptors, but this binding is not sufficient for infection, some additional liver specific cofactors may be needed. The fusion function may possibly be carried by E1. 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. Recombinant HCV(Hepatitis C Virus) E2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Molecular Weight: 25.4 kDa (226aa)

NCBI Accession: [NP_671491](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

Handling

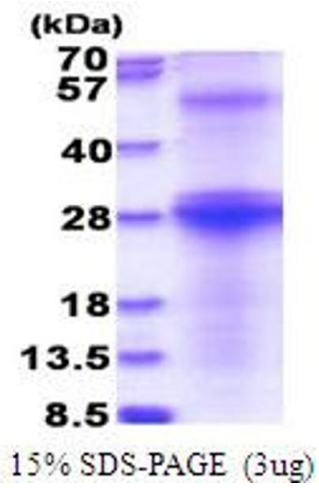
Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.