



Recombinant HCV E1 Protein (DAG3203)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Hepatitis C virus E1
Species	HCV
Purity	95% by SDS-PAGE
Conjugate	Unconjugated
Applications	ELISA
Buffer	25 mM Tris-HCl, 0.1% SDS, pH 8.3
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Envelope glycoproteins E1 and E2 are involved in virus attachment to the host cell as well as in virus endocytosis and fusion with host membrane. 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.
Keywords	E1 envelope glycoprotein; HCV envelope glycoprotein; Hepatitis C Virus envelope glycoprotein; HCV E1