

Japanese Encephalitis Virus

Japanese Encephalitis (JE) is a severe neurological disease caused by infection with the Japanese Encephalitis Virus (JEV), leading to an estimated 10,000 to 15,000 deaths annually. JEV, a mosquito-borne arbovirus in the Flaviviridae family, is closely related to other viruses such as dengue virus (DENV) and Zika virus (ZIKV). The first recorded case of JEV infection was documented in Japan in 1871, marking the beginning of its recognition as Japanese Encephalitis.

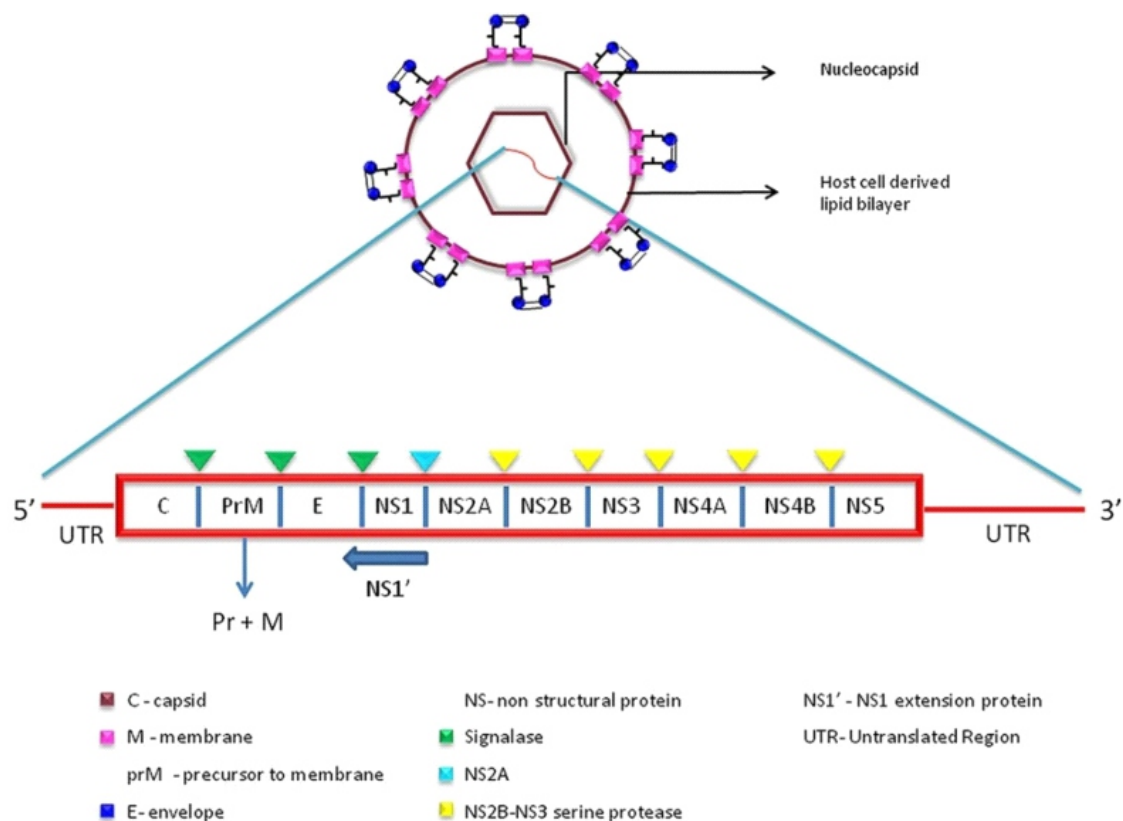


Fig.1 Structure and genomic arrangement of Japanese encephalitis virus (reproduced with permission from Unni et al.)

JEV is a single-stranded, positive-sense RNA virus with a genome approximately **11 kb** in length. It encodes a single open reading frame (ORF) that produces a long polyprotein, which is subsequently cleaved into three structural proteins—the **capsid protein (C)**, the non-glycosylated **pre-membrane protein (prM)**, and the glycosylated envelope protein (E)—as well as seven non-structural (NS) proteins: **NS1, NS2A, NS2B, NS3, NS4A, NS4B, and NS5**. Among these, the **envelope protein (E)** and **NS1** are critical targets for vaccine and therapeutic development due to their roles in viral entry and immune evasion.

Catalog No.	Product Name
Protein	
VK502012	Recombinant TBEV NS5 Protein, N-His
VK642011	Recombinant TBEV Envelope protein E Protein, C-Fc
VK642021	Recombinant TBEV Envelope protein E Protein, C-His
VK793012	Recombinant SLEV NS1/Non-structural protein 1 Protein, N-His
VK731032	Recombinant SLEV Envelope protein E Protein, N-His
VK638012	Recombinant SLEV Capsid protein C/Core protein Protein, N-GST & C-His
VK693022	Recombinant SLEV NS3/Serine protease NS3 Protein, N-His
VK731012	Recombinant JEV Envelope protein E Protein, N-TrxA-His & C-His
VK731022	Recombinant JEV Envelope protein E Protein, N-His
VK489012	Recombinant JEV NS1/Non-structural protein 1 Protein, N-TrxA-His & C-His
VK489011	Recombinant JEV NS1/Non-structural protein 1 Protein, C-Fc
VK489021	Recombinant JEV NS1/Non-structural protein 1 Protein, C-His
VK489022	Recombinant JEV NS1/Non-structural protein 1 Protein, N-His
VK693012	Recombinant JEV NS3/Serine protease NS3 Protein, N-His
VK786012	Recombinant JEV NS5 Protein, N-His
VK731042	Recombinant JEV Envelope protein E Protein, N-His
VK748012	Recombinant JEV Capsid protein C/Core protein Protein, N-GST & C-His
VK611022	Recombinant JEV Peptide pr Protein, N-GST & C-His
Polyclonal Antibody	
VK502014	Anti-TBEV NS5 Polyclonal Antibody
VK793014	Anti-SLEV NS1/Non-structural protein 1 Polyclonal Antibody
VK731034	Anti-SLEV Envelope protein E Polyclonal Antibody
VK638014	Anti-SLEV Capsid protein C/Core protein Polyclonal Antibody
VK693024	Anti-SLEV NS3/Serine protease NS3 Polyclonal Antibody
VK731014	Anti-JEV Envelope protein E Polyclonal Antibody
VK731024	Anti-JEV Envelope protein E Polyclonal Antibody
VK489014	Anti-JEV NS1/Non-structural protein 1 Polyclonal Antibody
VK693014	Anti-JEV NS3/Serine protease NS3 Polyclonal Antibody
VK786014	Anti-JEV NS5 Polyclonal Antibody
VK748014	Anti-JEV Capsid protein C/Core protein Polyclonal Antibody
VK611014	Anti-JEV Peptidepr Polyclonal Antibody
Monoclonal Antibody	
VK731013	Anti-JEV Envelope protein E Antibody (12B02)
VK731023	Anti-JEV Envelope protein E Antibody (2H4)
VK731010	InVivoMAb Anti-JEV Envelope protein E Antibody (2F2)
VK731033	Anti-SLEV Envelope protein E Antibody (6B6C-1)
VK642013	Anti-TBEV Envelope protein E Antibody (13D6)

All products are for research use only



Telephone: +33(0)390205470

Mail: info@abinscience.com

Web: www.abinscience.com

Add: 19 rue de la Haye 67300 Schiltigheim France