

Chandipura virus(CHPV)

Chandipura virus(CHPV), from the family Rhabdoviridae and genus Vesiculovirus, is a human pathogen linked to severe encephalitis, primarily affecting children in tropical regions of India. It is characterized by flu-like symptoms and neurological dysfunctions. The virus is transmitted by mosquitoes, ticks, and sand flies, and there is currently no vaccine or specific antiviral treatment available.

Chandipura virus was discovered in 1966 by Bhatt and Rodriguez at the Virus Research Centre(VRC), Pune, during investigations into fever outbreaks in Chandipura village, Maharashtra. Initially thought to be caused by dengue or chikungunya viruses, it was later identified as a new pathogen and named Chandipura Virus.

CHPV is an enveloped virus with a helical ribonucleoprotein complex(RNP) and a non-segmented, single-stranded RNA genome. The genome, approximately 11,000 nucleotides long, encodes five key proteins: Nucleoprotein, Phosphoprotein, Matrix Protein, Glycoprotein, and RNA Polymerase L.

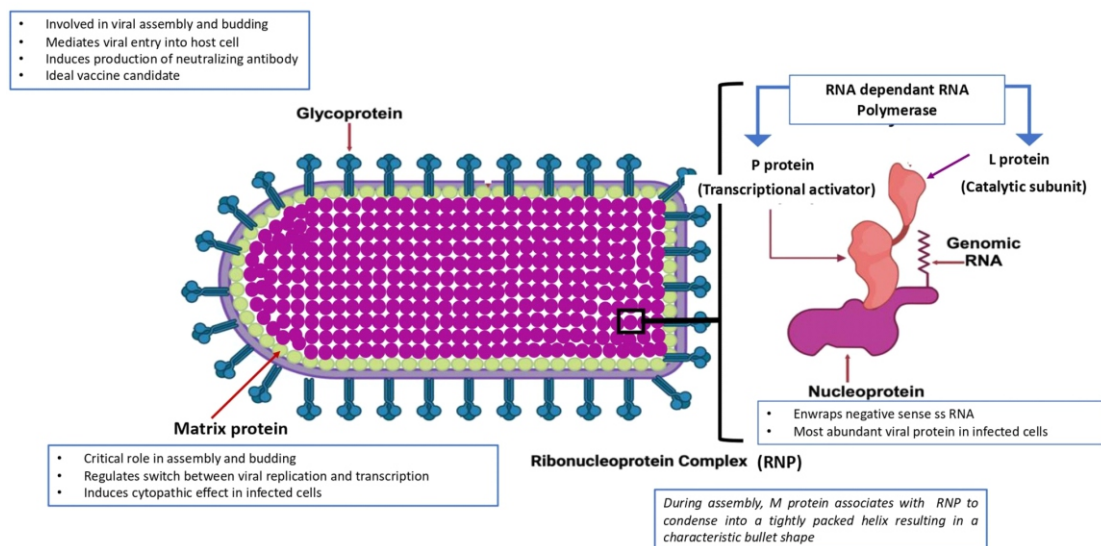


Fig. 1. Bullet-shaped structure of Chandipura virus(sciedirect)

Protein

Catalog No.	Product Name
VK396011	Recombinant CHPV G/Glycoprotein Protein,C-His
VK396021	Recombinant CHPV G/Glycoprotein Protein,C-Fc
VK396012	Recombinant CHPV G/Glycoprotein Protein,N-His
VK546012	Recombinant CHPVP/Phosphoprotein Protein,N-His
VK535012	Recombinant CHPVM/Matrix protein Protein,N-His
VK773012	Recombinant CHPV N/Nucleoprotein Protein,N-His

Polyclonal Antibody

Catalog No.	Product Name
VK396014	Anti-CHPV G/Glycoprotein Polyclonal Antibody
VK546014	Anti-CHPV P/Phosphoprotein PolyclonalAntibody
VK535014	Anti-CHPV M/Matrix protein Polyclonal Antibody
VK773014	Anti-CHPV N/NucleoproteinPolyclonalAntibody

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