

Product Name: Recombinant Langya virus/LayV G/Glycoprotein Protein, N-His
Catalog #: PEX10980

Summary

Name	Langya virus/LayV G/Glycoprotein
Purity	>90% as determined by SDS-PAGE.
Endotoxin level	Please contact with the lab for this information.
Construction	Asp193-Ser624
Accession #	UUV47206.1
Host	E. coli
Species	Langya virus
Predicted Molecular Mass	49.96 kDa
Formulation	0.01M PBS, pH 7.4.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.
Stability&Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Alternative Names

Langya virus/LayV G/Glycoprotein

Background

Nipah virus (NiV), a highly pathogenic zoonotic paramyxovirus, mediates host cell entry through the coordinated action of two envelope glycoproteins: the attachment glycoprotein (G), which engages the host cell receptors ephrin-B2 and ephrin-B26, and the fusion glycoprotein (F), which drives membrane fusion following receptor binding. These viral surface proteins, along with the viral RNA-dependent RNA polymerase (RdRp) complex comprising the nucleoprotein (N), phosphoprotein (P), and large polymerase protein (L), constitute the primary molecular targets for therapeutic intervention and vaccine development. The conserved receptor-binding interface of the G protein and the fusion machinery of the F protein represent particularly attractive targets for neutralizing antibodies and entry inhibitors, while the viral replication machinery offers potential targets for broad-spectrum antiviral compounds targeting paramyxovirus transcription and replication.



**Product Name: Recombinant Langya virus/LayV
G/Glycoprotein Protein, N-His
Catalog #: PEX10980**

Note

For Research Use Only , Not for Diagnostic Use.