# Recombinant Henipavirus nipahense (Malaysia) glycoprotein G Protein, Tag Free

**Cat. No.** glycoprotein G-33H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Henipavirus nipahense (Malaysia) glycoprotein G produced in HEK293 cells and purified from culture supernatant. A C-terminal purification handle was cleaved using TEV protease, and both protease and tag were removed during the purification process |
| **Species** | Henipavirus nipahense (Malaysia) Strain/Isolate: 808581 |
| **Source** | HEK293 |
| **ProteinLength** | 71-602aa |
| **Description** | Nipah virus (NiV) is an enveloped, single-stranded, negative-sense RNA virus that belongs to the Henipavirus genus, a member of the Paramyxoviridae family. The first recognized outbreak of NiV occurred in Malaysia in 1998/1999, affecting both pigs and humans (CDC 2024). Later outbreaks in Bangladesh and India were primarily linked to consuming fruits or fruit products contaminated with the urine or saliva of infected fruit bats. Human-to-human transmission was reported in both regions, particularly among family members and caregivers of infected patients. The symptoms of Nipah virus infection in humans can include rapidly developing fever, abdominal pain, nausea, vomiting, acute respiratory syndrome, and severe encephalitis, which is fatal in a high percentage of cases. Diagnosis of Nipah virus infection can be challenging due to its non-specific early symptoms. However, early detection is critical to improve the chance of survival, prevent transmission, and |

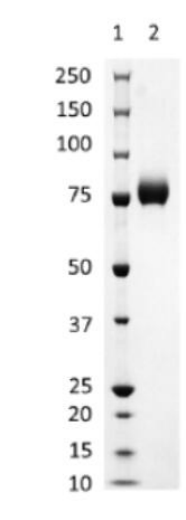
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| | contain an outbreak (WHO 2024). The Henipavirus nipahense glycoprotein G (NiV-G) is a crucial component in the infection process of the Nipah virus. This protein facilitates the attachment of the virus to host cells. NiV-G, along with the fusion (F) glycoprotein, mediates membrane fusion, allowing the virus to enter the host cell (Quarleri et al., 2022). |
| **Tag** | Non |
| **Form** | Liquid |
| **Molecular Mass** | 61 kDa |
| **Storage** | Short Term Storage: -80 centigrade<br>Long Term Storage: -80 centigrade<br>Can be frozen, but avoid multiple freeze-thaw cycles. |
| **Storage Buffer** | DPBS buffer |
| **Concentration** | 0.74 mg/mL |

## GENE INFORMATION

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| **Official Symbol** | G |
| **Synonyms** | G; glycoprotein G |

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