

Recombinant Swine Nucleoprotein (N), C-His

Cat. No.: AP9C55

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Swine Nucleoprotein (N), C-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 14.8 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	14.8 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Swine reproductive and respiratory syndrome virus nucleoprotein (N) is a vital structural component of the virus, crucial for viral RNA encapsidation and replication. It is a major immunogenic protein, often used as a diagnostic marker and key target for vaccine development against the virus in swine.

Protein	Swine Nucleoprotein (N)
Protein Synonym	Nucleocapsid protein; Protein N
Gene ID	100522557
UniProt ID	Q04558

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.