

Nucleocapsid Protein with C-terminal Histidine Tag from Andes Virus, CHI-7913, Recombinant from *Escherichia coli***Catalog No. NR-9669**

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Product Description:

NR-9669 is a recombinant form of the nucleocapsid (N) protein of Andes virus, CHI-7913.¹ NR-9669 was expressed as a C-terminal histidine-tagged protein in *Escherichia coli* and purified under denaturing conditions by nickel-affinity chromatography.² The protein was renatured by stepwise dialysis to remove urea. NR-9669 has a molecular weight of approximately 55,000 daltons. The Andes virus, CHI-7913 nucleocapsid protein 428 amino acid sequence is available (GenPept: AAO86636).³

Material Provided:

Each vial contains approximately 200 µg of NR-9669 in PBS.

Packaging/Storage:

NR-9669 was packaged aseptically in cryovials. **The product should be stored at -80°C or colder immediately upon arrival, not at -20°C or colder as indicated on the vial label.**

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Nucleocapsid Protein with C-terminal Histidine Tag from Andes Virus, CHI-7913, Recombinant from *Escherichia coli*, NR-9669."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. Galeno, H., et al. "First Human Isolate of Hantavirus (Andes Virus) in the Americas." *Emerg. Infect. Dis.* 8 (2002): 657-661. PubMed: 12095430.
2. Mir, M. A., et al. "Hantavirus N Protein Exhibits Genus-Specific Recognition of the Viral RNA Panhandle." *J. Virol.* 80 (2006): 11283-11292. PubMed: 16971445.
3. Tischler, N. D., et al. "Complete Sequence of the Genome of the Human Isolate of Andes Virus CHI-7913: Comparative Sequence and Protein Structure Analysis." *Biol. Res.* 36 (2003): 201-210. PubMed: 14513715.
4. Medina, R. A., et al. "Ecology, Genetic Diversity and Phylogeographic Structure of Andes Virus in Humans and Rodents in Chile." *J. Virol.* (2008) Dec 30 Epub. PubMed: 19116256.

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