

Nucleocapsid Protein with C-terminal Histidine Tag from Hantaan Virus, 76-118, Recombinant from *Escherichia coli*

Catalog No. NR-12153

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Contributor:

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Product Description:

NR-12153 is a recombinant form of the nucleocapsid (N) protein of Hantaan virus, 76-118. NR-12153 was expressed as a C-terminal histidine-tagged protein in *Escherichia coli* and purified under denaturing conditions by nickel-affinity chromatography.¹⁻³ The protein was renatured by stepwise dialysis to remove urea and imidazole. NR-12153 has a molecular weight of approximately 50 kilodaltons. The Hantaan virus, 76-118 nucleocapsid protein 429 amino acid sequence is available (GenPept: P05133).⁴

Material Provided:

Each vial contains approximately 200 µg of NR-12153 in PBS.

Packaging/Storage:

NR-12153 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 Hantaan Virus, 76-118, Recombinant from *Escherichia coli*, NR-12153."

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/bmb15/bmb15toc.htm.

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References:

1. Rawlings, J. A., et al. "Cocirculation of Multiple Hantaviruses in Texas, With Characterization of the Small (S) Genome of a Previously Undescribed Virus of Cotton Rats (*Sigmodon hispidus*)." Am. J. Trop. Med. Hyg. 55 (1996): 672-679. PubMed: 9025697.
2. Torrez-Martinez, N., et al. "Bayou Virus-Associated Hantavirus Pulmonary Syndrome in Eastern Texas: Identification of the Rice Rat, *Oryzomys palustris*, as Reservoir Host." Emerg. Infect. Dis. 4 (1998): 105-111. PubMed: 9452404.
3. Bharadwaj, M., et al. "Rio Mamore Virus: Genetic Characterization of a Newly Recognized Hantavirus of the Pygmy Rice Rat, *Oligoryzomys microtis*, from Bolivia." Am. J. Trop. Med. Hyg. 57 (1997): 368-374. PubMed: 9311652.
4. Schmaljohn, C. S., et al. "Coding Strategy of the S Genome Segment of Hantaan Virus." Virology 155 (1986): 633-643. PubMed: 3024404.

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