

Mink Interferon Alpha 13 Protein, Recombinant from Baculovirus

Catalog No. NR-43943

This reagent is the property of the U.S. Government.

For research use only. Not for human use.

Contributor and Manufacturer:

BEI Resources

Product Description:

A recombinant form of the mink interferon alpha (IFN- α) 13 protein with a glutathione S-transferase (GST) expression tag was produced in Sf9 insect cells using a baculovirus expression vector system, purified by GST affinity chromatography, and treated with thrombin to remove the GST tag. The thrombin-treated protein was further purified prior to final formulation. The recombinant protein has a predicted molecular weight of approximately 19 kilodaltons. The full-length mink IFN- α 13 precursor protein is 187 residues (GenPept: ABU63128), and shares 93% amino acid identity with ferret IFN- α (GenPept: ABN12935). The fusion protein expression vector was designed as described for human IFN- α by Rabhi-Essafi et al.¹

Material Provided:

Each vial contains approximately 50 μ g of purified recombinant IFN- α 13 protein in PBS (pH 7.4). The protein content in μ g and the concentration, expressed as μ g/mL, are shown on the Certificate of Analysis.

Packaging/Storage:

Purified recombinant IFN- α 13 protein was packaged aseptically in screw-capped plastic cryovials. This product is provided on blue ice and should be stored at -20°C immediately upon arrival.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Mink Interferon Alpha 13 Protein, Recombinant from Baculovirus, NR-43943."

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC[®] nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC[®] nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC[®] and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC[®], their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. Rabhi-Essafi, I., et al. "A Strategy for High-Level Expression of Soluble and Functional Human Interferon Alpha as a GST-Fusion Protein in *E. coli*." Protein Eng. Des. Sel. 20 (2007): 201-209. PubMed: 17430974.

ATCC[®] is a trademark of the American Type Culture Collection.

