

Mink Interferon Alpha 13 Protein, Recombinant from Baculovirus

Catalog No. NR-48766

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For research use only. Not for human use.

This preparation contains an unexpectedly high level of endotoxin, and may not be suitable for *in vivo* studies. Please review the Certificate of Analysis carefully to determine whether this product is acceptable for your intended use. A low-endotoxin preparation of recombinant mink interferon alpha protein is available as BEI Resources NR-43943.

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 per 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-48766."

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/bmb15/index.htm.

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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.

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