

Mink Interferon Alpha 13 Protein with C-Terminal Histidine Tag, Recombinant from Baculovirus

Catalog No. NR-48827

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Contributor and Manufacturer:

BEI Resources

Product Description:

A recombinant form of the mink interferon alpha (IFN- α) 13 protein containing a C-terminal hexa-histidine tag was produced in Sf9 insect cells using a baculovirus expression vector system and purified by nickel affinity chromatography. NR-48827 includes amino acids 24 to 187 of the mink IFN- α 13 precursor (GenPept: ABU63128), but lacks the native signal sequence. The predicted protein sequence is shown in Table 1. The recombinant protein has a theoretical molecular weight of 19,778 daltons. Mink IFN- α 13 shares 93% amino acid identity with ferret IFN- α (GenPept: ABN12935).

Material Provided:

Each vial contains approximately 100 μ g of purified recombinant IFN- α 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 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 Protein with C-Terminal Histidine Tag, Recombinant from Baculovirus, NR-48827.”

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:

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Table 1 – Predicted Protein Sequence

| | | | | | |
|-----|-------------------|-------------------|--------------------|-------------------|-------------------|
| 1 | ADPCDLPQDH | SLLPWRALML | LRQMRRLSAS | SCDNYTNDFG | FPQEVFDGKA |
| 51 | LQKAQALPVV | HVMNQKIFHL | FCTEASPAPW | NTTLEELCS | GLSEQLGLLE |
| 101 | ACPLQEAGVG | ETPLVNGDSI | LRNYFQRI SL | YLQEKQYSPC | AWEMVRAEIM |
| 151 | KPLYASTALH | KLRSRKHHH | HHH | | |

Plasmid-derived amino acids – Residues 1 to 3

IFN- α protein – Residues 4 to 167

His Tag – Residues 168 to 173