

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

Catalog No. NR-48828

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Contributor and Manufacturer:

BEI Resources

Product Description:

A recombinant form of the mink interferon beta (IFN- β) 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-48828 includes amino acids 22 to 186 of the mink IFN- β precursor (GenPept: ABQ45354), but lacks the native signal sequence. The predicted protein sequence is shown in Table 1. The recombinant protein has a theoretical molecular weight of 20,893 daltons. Mink and ferret IFN- β (GenPept: ABN12936) share 98% amino acid identity.

Material Provided:

Each vial contains approximately 100 μ g of purified recombinant IFN- β 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- β 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 Beta Protein with C-Terminal Histidine Tag, Recombinant from Baculovirus, NR-48828."

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.

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Table 1 – Predicted Protein Sequence

1	ADPMYNLLR	FQLSSSSVEC	QELLQLNGT	SKDCLKDRMN	FKIPEEI QKS
51	QKFQKEDI VL	VTLEMFQKTS	DI FRRNLSSM	GWNESI VENL	LATLHWQKEH
101	LEEI LEDI MQ	EENFTWDHRT	LLHLKRYLR	IVRYLKAKEF	SVCAWTI VQA
151	EILKSFFFLD	KLTDSLPNHH	HHHH		

Plasmid-derived amino acids – Residues 1 to 3

IFN-β protein – Residues 4 to 168

His Tag – Residues 169 to 174