

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

Catalog No. NR-48827

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

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.

Lot: 62926222

Manufacturing Date: 07NOV2014

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
Purity by SDS-PAGE Densitometry Scan	Protein band of interest represents $\geq 95\%$ of total staining intensity above background	Protein band of ~ 20 kDa accounts for ~ 95% of total staining intensity above background (Figure 1)
Concentration by Bradford Assay¹	Report results	910 μg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	96 μg 105 μL
Identification by Western Blot Analysis Monoclonal anti-IFN- α^2 Monoclonal anti-histidine tag ³	Reactive Reactive	Reactive (Figure 2) Reactive (Figure 3)
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	~ 31 EU per mg protein
Sterility	0.2 μm filtered	0.2 μm filtered

¹Using BSA as a standard

²BEI Resources NR-48628 (1:10000 dilution)

³Clontech (Cat. No. 631212) (IgG_{2a}) (1:1000 dilution)

Date: 31 MAR 2015

Signature: 

Title: Technical Manager, BEI Authentication or designee

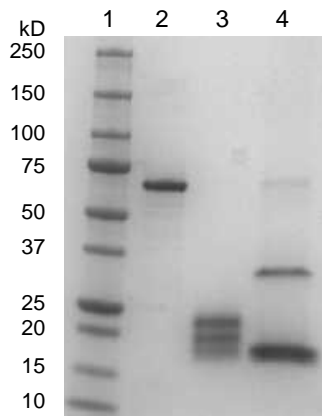
ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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

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

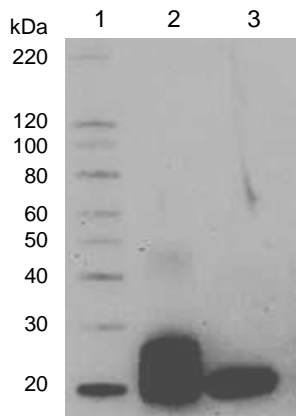


Figure 1: SDS-PAGE



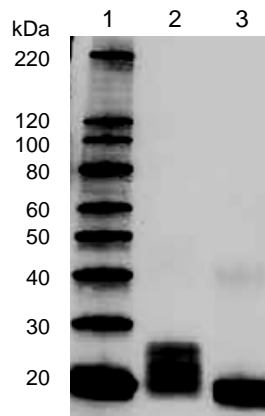
Lane 1: Precision Plus Protein™ All Blue Standard
 Lane 2: BSA, 2.0 µg
 Lane 3: NR-48827, 2.0 µg
 Lane 4: PNGase F Treated NR-48827, 2.0 µg

Figure 2 – Western Blot with Monoclonal Anti-IFN-α



Lane 1: Magic Mark™ XP Protein Standard
 Lane 2: NR-48827, 0.5 µg
 Lane 3: PNGase F Treated NR-48827, 0.5 µg

Figure 3 – Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: Magic Mark™ XP Protein Standard
 Lane 2: NR-48827, 0.5 µg
 Lane 3: PNGase F Treated NR-48827, 0.5 µg