

## HUMAN IFN ALPHA4 (C-6HIS) PROTEIN

**Cat.#:** 12070

**Product Name:** Human IFN Alpha4 (C-6His) Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Interferon alpha-4;Interferon alpha-4B;Interferon alpha-76;Interferon alpha-M1;IFNA4

**Target:** IFN

**UNIPROT ID:** P05013

**Description:** Recombinant Human Interferon Alpha-4 is produced by our Mammalian expression system and the target gene encoding Cys24-Asp189 is expressed with a 6His tag at the C-terminus.

**Background:** Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. They allow for communication between cells to trigger the protective defenses of the immune system that eradicate pathogens or tumors. They are typically divided among three IFN classes: Type I, Type II and Type III. IFNA4 is a secreted protein and produced by macrophages. Two variants of IFNA4 (IFNA4a and IFNA4b) are known, which differ from each other by changes in their coding regions at nucleotide positions 220 and 410.

**Species/Host:** HEK293

**Molecular Weight:** 20.4 KDa

**Molecular Characterization:** Not available

**Purity:** Greater than 95% as determined by reducing SDS-PAGE.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

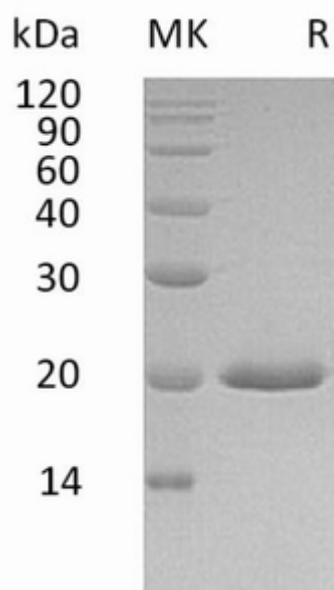


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.