

## HUMAN IFNW1 (C-6HIS) PROTEIN

**Cat.#:** 12075

**Product Name:** Human IFNW1 (C-6His) Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Interferon omega-1; Interferon alpha-II-1; IFNW1.

**Target:** IFNW1

**UNIPROT ID:** P05000

**Description:** Recombinant Human Interferon Omega-1 is produced by our Mammalian expression system and the target gene encoding Leu22-Ser195 is expressed with a 6His tag at the C-terminus.

**Background:** Interferon omega-1 is also known as Interferon alpha-II-1 and IFNW1. It is a Secreted protein that in humans is encoded by the IFNW1 gene. IFNW1 belongs to the alpha/beta interferon family. Type I IFNs consist of IFN  $\alpha$ ,  $\beta$ ,  $\tau$ , and  $\omega$  and bind to the type I IFN receptor, whereas IFN- $\gamma$  is the only type II IFN and is specific for the type II IFN receptor. IFNW1 is a recently discovered protein structurally related to IFN- $\alpha$  and - $\beta$ . It has been shown that IFN-omega 1 similar to that of other human class I IFNs; potent antiviral activity was also observed on cells of bovine and ovine but not of equine or murine origin.

**Species/Host:** HEK293

**Molecular Weight:** 21.1 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.

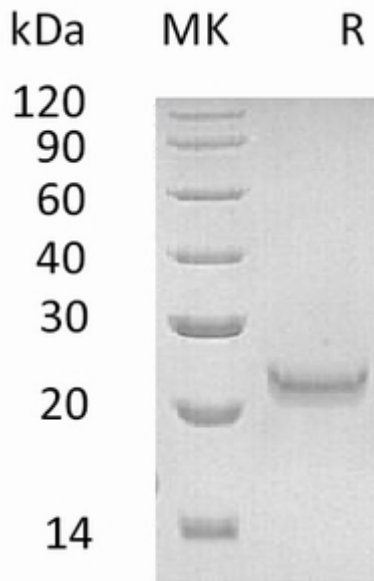


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.