

## HUMAN IL-28B PROTEIN

**Cat.#:** 12093

**Product Name:** Human IL-28B Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Interleukin-28B;IL-28B;Cytokine Zcyto22;Interferon Lambda-3;IFN-Lambda-3;Interferon Lambda-4;IFN-Lambda-4;Interleukin-28C;IL-28C;IL28B;IFNL3;IFNL4;IL28C;ZCYTO22

**Target:** IL-28B

**UNIPROT ID:** Q8IZI9

**Description:** Recombinant Human Interleukin-28B is produced by our Mammalian expression system and the target gene encoding Val22-Val196 is expressed.

**Background:** Interleukin-28B, also known as Cytokine Zcyto22, Interferon lambda-3, Interferon lambda-4, IFNL3, IFNL4, ZCYTO22 and IL28B, is a secreted cytokine which belongs to the IL-28/IL-29 family. IL-28 has also been shown to play a role in the adaptive immune response. IL28B has immunomodulatory activity and up-regulates MHC class I antigen expression. IL28B displays potent antiviral activity and antitumor activity. In addition, IL28B is a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway.

**Species/Host:** HEK293

**Molecular Weight:** 19.6 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.

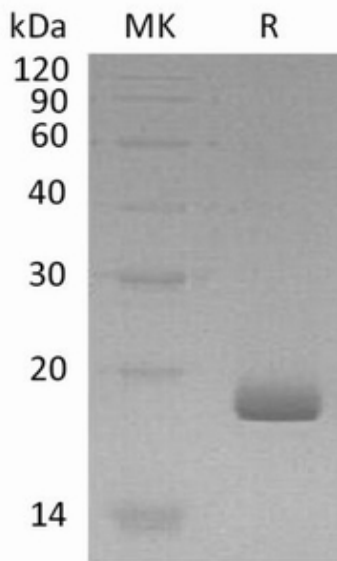


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.