



# Recombinant Protein Technical Manual

## Recombinant Human IFN- $\lambda$ 3/IL-28B Protein (Human Cells, His Tag)(Active)

RPES2310

### Product Data:

**Product SKU:** RPES2310

**Size:** 10 $\mu$ g

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q8IZI9

### Protein Information:

**Molecular Mass:** 20.7 kDa

**AP Molecular Mass:** 19 kDa

**Tag:** C-6His

**Bio-activity:** Immobilized Human IL-28-His at 10 $\mu$ g/ml(100  $\mu$ l/well) can bind Human ILORB-Fc(Cat: PKSH032564). The ED50 of Human IL-28-His is 0.37  $\mu$ g/ml.

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

**Endotoxin:** < 1.0 EU per  $\mu$ g as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM PB,150mM NaCl,1mM EDTA,pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:** Functional ELISA

**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

## Immunogen Information:

**Sequence:** Val22-Val196

## 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.