



Recombinant Protein Technical Manual

Recombinant Human IFN- λ 3/IL-28B Protein

RPES1493

Product Data:

Product SKU: RPES1493

Size: 10 μ g

Species: Human

Expression host: Human Cells

Uniprot: Q8IZI9

Protein Information:

Molecular Mass: 19.6 kDa

AP Molecular Mass: 18 kDa

Tag:

Bio-activity:

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

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 μ m filtered solution of 20mM PB,150mM NaCl,1mM EDTA,pH7.4.

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

Application:

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; IFN-lambda 3

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.