

Interleukin-28B Human Recombinant

Item Number	rAP-0509
Synonyms	Interleukin-28B, IL-28B, Cytokine Zcyto22, Interferon lambda-3, IFN-lambda-3, Interleukin-28C, IL-28C, IL28B, IFNL3, IL28C, ZCYTO22.
Description	Interleukin-28B Human Recombinant produced in HEK cells is a non-glycosylated monomer, having a total molecular weight of 24kDa. The IL28B is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q8IZI9
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-28B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL28B should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The IL28B was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL-28B in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The specific activity was determined by the dose dependent protection of the cytopathic effect on A549 cells (human lung adenocarcinoma epithelial cell line) that were challenged with encephalomyocarditis (EMC) virus and is typically 0.1-1ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**