

Active Recombinant Human IL28B

Cat. No. IL28B-605H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
Description	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 29 (IL29) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA).
Formulation	The IL28B was lyophilized from 1mg/ml in 1xPBS.
Bio-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.
Molecular Mass	24 kDa
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.

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Purity	Greater than 95% as observed by SDS-PAGE.
Solubility	It is recommended to reconstitute the lyophilized IL-28B in sterile water not less than 100g/ml, which can then be further diluted to other aqueous solutions.
GENE INFORMATION	
Gene Name	IFNL3 interferon, lambda 3 [Homo sapiens (human)]
Official Symbol	IFNL3
Synonyms	IFNL3; IL28B; IL28C; IL-28B; interferon, lambda 3; interferon lambda-3; IL-28C; IFN-lambda-3; IFN-lambda-4; interleukin 28C; interleukin-28B; interleukin-28C; cytokine Zcyto22; interferon lambda-4; interferon, lambda 4; interleukin 28B (interferon, lambda 3)
Gene ID	282617
mRNA Refseq	NM_172139
Protein Refseq	NP_742151
MIM	607402
UniProt ID	Q8IZI9
Chromosome Location	19q13.13
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Type III interferon signaling

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Function

cytokine activity

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