
Product Data Sheet

Product Name: IL28B Human, Sf9
 Cat. No.: GP20635
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Lambda 3; IL28B; Interleukin 28B (IFN; Lambda 3); Cytokine Zcyto22; Interleukin-28B; Interleukin-28C; IFN-Lambda-3; IL-28B; IL-28C; IL28C; Lambda 4; Interleukin 28B; Interleukin 28C; IFN-Lambda-4; ZCYTO22; IFNL3.		
Amino Acid Sequence	VPVARLRGAL PDARGCHIAQ FKSLSPQELQ AFKRAKDALE ELLLLKDCKC RSRLFPRPWD LRQLQVRERP VALEAELALT LKVLEATADT DPALGDVLDQ PLHTLHHILS QLRACIQPOP TAGPRTRGRL HHWLHRLQEA PKKESPGCLE ASVTFNLFRL LTRDLNLCVAS GDLCVHHHHHH.		
Formulation	IL 28B protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4), 20% glycerol, 1mM EDTA and 0.1mM PMSF.		

Introduction

IL-28B is a cytokine remotely related to type IIFNs and the IL-10 family. Interleukin-28B, interleukin 28A (IL28A), and interleukin 29 (IL29) are 3 closely related cytokine genes which form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by these 3 genes can be induced by viral infection. All 3 cytokines interact with a heterodimeric class II cytokine receptor which consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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IL 28B produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (22-196 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 181 amino acids and having a molecular mass of 20.4kDa. IL 28B shows multiple bands between 18-28kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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