
Product Data Sheet

Product Name: IL 28B Mouse
 Cat. No.: GP20636
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Interferon lambda-3; IFN-lambda-3; Interleukin-28B; IL-28B; Ifnl3; Il28; Il28b.		
Amino Acid Sequence	DPVPRATRLP VEAKDCHIAQ FKSLSPKELQ AFKKAKGAIE KRLLEKDMRC SSSLISRAWD LKQLQVQERP KALQAEVALT LKVWENINDS ALTTILGQPL HTLSHIHSQL QTCTQLQATA EPKPPSRRLS RWLHRLQEAQ SKETPGCLED SVTSNLFQLL LRDLCVASG DQCV.		
Solubility	It is recommended to reconstitute the lyophilized IL-28B in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	IL28B protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.		

Introduction

IL-28B is a cytokine remotely related to type I interferons 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).

Biological Activity

The ED₅₀ as determined by an anti-viral assay using human HepG2 cells infected with encephalomyocarditis is less than 30 ng/ml, corresponding to a specific activity of > 3.3

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

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6⁺ 104 IU/mg.

Stability

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.

Background

IL-28B Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 174 amino acids and having a molecular mass of 19.6kDa.The IL28B is purified by proprietary chromatographic techniques.

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