9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# IL 28B Mouse

*Interleukin-28B Mouse Recombinant*
*CYK0310*

## Product Overview

| | |
|---|---|
| Name | IL 28B Mouse |
| **Description** | |
| Interleukin-28B Mouse Recombinant | |
| Accession (Primary) | Q8CGK6 |
| **Synonyms** | |
| Interferon lambda-3, IFN-lambda-3, Interleukin-28B, IL-28B, Ifnl3, Il28, Il28b. | |
| **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). | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered White lyophilized (freeze-dried) powder. | |
| **Formulation** | |
| IL28B protein was lyophilized from a 0.2 μm filtered concentrated solution in 1xPBS, pH 7.4. | |
| **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. | |
| **Purity** | |
| Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. | |
| **Amino acid sequence** | |
| DPVPRATRLP VEAKDCHIAQ FKSLSPKELQ AFKKAKGAIE KRLLEKDMRC SSHLISRAWD LKQLQVQERP KALQAEVALT LKVWENINDS ALTTILGQPL HTLSHIHSQL QTCTQLQATA EPKPPSRRLS RWLHRLQEAQ SKETPGCLED SVTSNLFQLL LRDLKCVASG DQCV. | |

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**Biological Activity**

The ED 50 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 × 10 4 IU/mg.

**Solubility**

It is recommended to reconstitute the lyophilized IL-28B in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Precautions**

IL 28B Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q8CGK6 )