

## Recombinant Human IL28B (IFNL3) Cat No:HR2R1590

For research use only

## Overview

| Quantity              | 10 ?g  |
|-----------------------|--|
| Gene Symbol           | IFNL3  |
| Gene ID               | 282617   |
| Accession             | Q8IZI9   |
| Alternative<br>Name   | IL-28B, Interferon lambda-3, IFN-lambda-3, Cytokine Zcyto22, Interleukin-28C, IL-28C, ZCYTO22<br>kt/>Recombinant Human Interleukin-28B (IFNL3)   |
| Species               | Human  |
| Source                |  |
| Description           | Cytokine with immunomodulatory activity. Up-regulates MHC class I antigen expression. Displays potent antiviral activity. Also displays antitumor activity. Ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway. |
| Functions             | The activity was determined by a WISH cell viral resistance assay with a linear range of 4-20 ng/mL.   |
| Formulation           | Recombinant Human Interleukin-28B was lyophilized from a 0.2 ?m filtered PBS solution pH 7.4.  |
| Solubility            | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.   |
| Appearance            | Lyophilized Powder   |
| Molecular<br>Weight   | 23   |
| Purity                | >95% as determined by SDS-PAGE   |
| Concentration         | <1.0 EU/?g of recombinant protein as determined by the LAL method.   |
| Shipping<br>Condition | Ambient Temperature  |
| Storage<br>Condition  | The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.            |