

# Recombinant Human IL28B Protein, His-tagged

**Cat. No.** IL28B-2308H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL28B Protein (Val22-Val196) with a N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Val22-Val196                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 21.6 kDa<br>Accurate Molecular Mass: 22 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Cell culture; Activity Assays.                                                                                                                                                                                                                                                                                                               |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                          |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                            |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL28B interleukin 28B (interferon, lambda 3) [ Homo sapiens (human) ]                                                                                                                                                                                                                        |
| <b>Official Symbol</b> | IL28B                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | IL28B; interleukin 28B (interferon, lambda 3); interleukin 28B; interleukin-28B; IFNL3; IL 28B; IL28C; IL-28C; IFN-lambda-3; IFN-lambda-4; interleukin 28C; interleukin-28C; cytokine Zcyto22; interferon lambda-3; interferon lambda-4; interferon, lambda 3; interferon, lambda 4; IL-28B; |
| <b>Gene ID</b>         | 282617                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_172139                                                                                                                                                                                                                                                                                    |

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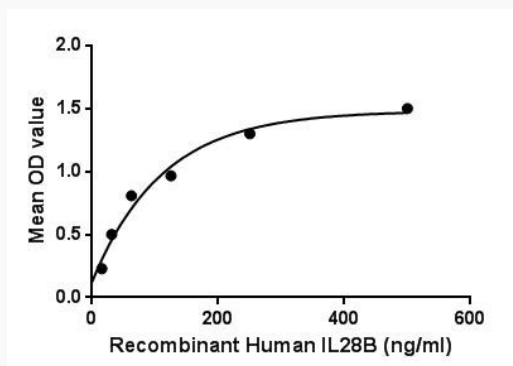
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Protein Refseq NP\_742151

MIM 607402

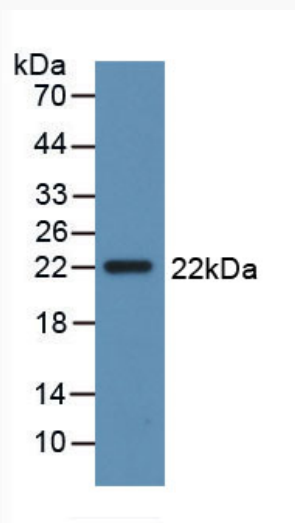
UniProt ID Q8IZI9

### Bioactivity



Binding activity

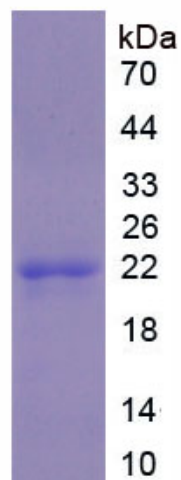
### WB



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