

## Product datasheet for **AR51900PU-S**

### Interleukin-28B (22-196, His-tag) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Interleukin-28B (22-196, His-tag) human recombinant protein, 50 µg  |
| Species:                              | Human   |
| Expression cDNA Clone or AA Sequence: | VPVARLRGAL PDARGCHIAQ FKSLSPQELQ AFKRAKDALE ELLLLKDCKC RSRLFPRPWD LRQLQVRERP VALEAELALT LKVLEATADT DPALGDVLDQ PLHTLHHILS QLRACIQPQP TAGPRTRGRL HHWLHRLQEA PKKESPGCLE ASVTFNLFRL LTRDLNCVAS GDLCVHHHHH H |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 20.4 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >85% by SDS - PAGE  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: Phosphate buffered saline (pH 7.4) containing 20% Glycerol, 1 mM EDTA, 0.1 mM PMSF                                     |
| Endotoxin:                            | < 1.0 EU per 1 microgram of protein (determined by LAL method)  |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human IFNL3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.   |
| Storage:                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.  |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <a href="#">NP_001333866</a>  |
| Locus ID:                             | 282617  |
| UniProt ID:                           | <a href="#">Q8IZI9</a>  |
| Cytogenetics:                         | 19q13.2   |
| Synonyms:                             | Il28b, Ifnl3, Il28, Interferon lambda-3, IFN-lambda-3   |



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**Summary:**

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). [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

**Product images:**