

AR51900PU-S

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

Alternate names:

IFN-lambda-3, Ifnl3, IL28, IL28b, Interferon lambda-3

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by bradford assay)

Background:

IFNL3, also known as Interferon lambda-3, is a secreted protein which belongs to the IL-28/IL-29 family. It is a cytokine with immunomodulatory activity. It up-regulates MHC class I antigen expression. This protein displays potent antiviral activity and antitumor activity. It seems to signal through the Jak-STAT pathway. It also contributes to viral resistance and is known to be upregulated by interferons and by RNA virus infection.

Uniprot ID:

[Q8IZI9](#)

NCBI:

[NP_742151](#)

GeneID:

[282617](#)

Species:

Human

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: Phosphate buffered saline (pH 7.4) containing 20% Glycerol, 1mM EDTA, 0.1mM PMSF

Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Description:

Recombinant human IFNL3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

AA Sequence:

VPVARLRGAL PDARGCHIAQ FKSLSQPQLQ AFKRAKDALE ESLLKDKCKC RSRLFPRPWD
LRQLQVRERP VALEAELALT LKVLEATADT DPALGDVLDQ PLHTLHHILS QLRACIQPQP
TAGPRTRGRL HHWLHRLQEA PKKESPGCLE ASVTFNLFRL LTRDLNCLVAS GDLCVHHHHH H

Molecular weight: 20.4 kDa (181aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Kamal SM. et al. (2014) Am J Gastroenterol. 109(2):199-211.
2. Frizon K. et al. (2014) Braz J Infect Dis. 18(2):229-30.

Pictures:

