

HumanKine® recombinant human IL-28B protein



Animal Component-Free

Human cell expressed

Tag-Free

Endotoxin Free

Product Description

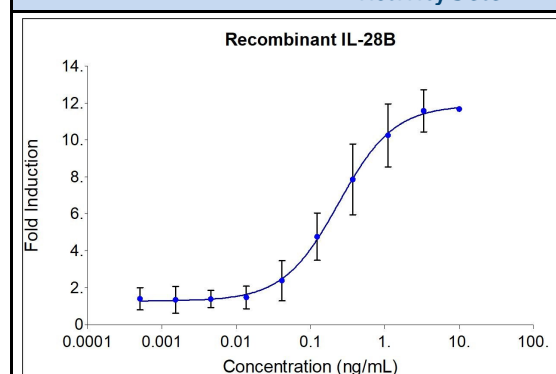
Animal-free Recombinant Human IL-28B (IFN-lambda 3) is expressed in human 293 cells with an apparent molecular mass of 24 kDa. This cytokine is produced in a serum-free, chemically defined media. Production in human 293 cells offers authentic human post-translational modification which contributes to stability in cell growth media and other applications. The purity is greater than 95%.

Alternative Names	Cytokine Zcyto22, IFN lambda 3, IFN lambda 4, IFNL3, IFNL4, IFN-lambda 3, IFN-lambda 4, IL 28B, IL 28C, IL28, IL-28, IL28B, IL-28B, IL28C, Interferon lambda 3, Interferon lambda 4, Interleukin 28B, Interleukin 28C, ZCYTO22
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived IL-28B protein
Species Reactivity	human

Specifications

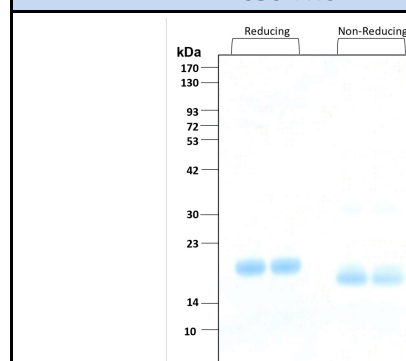
Test	Method	Specification
Activity	Dose-dependent induction of alkaline phosphatase production in a HEK293 reporter cell line.	0.07-0.35 ng/mL
Molecular Mass	SDS-PAGE	21 kDa reduced, 19 kDa non-reduced, monomer, non-glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/μg

Activity Data



Recombinant human IL-28B (HZ-1245) stimulates dose-dependent induction of alkaline phosphatase production in a HEK293 reporter cell line. Alkaline phosphatase production was assessed using pNPP as a chromogenic substrate. The EC₅₀ was determined using a 4-parameter non-linear regression model. The EC₅₀ value range is 0.07-0.35 ng/mL.

SDS-PAGE



Preparation	
Shipping Temperature	ambient temperature
Formulation	1x PBS, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein to 0.2 mg/mL in sterile 1x PBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA). Gently swirl or tap vial to mix.

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

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Proteintech Group, Inc.
5500 Pearl Street, Suite 400 Rosemont, IL 60612
t: 1-888-478-4522; f: 1-312-455-8408
Email: proteintech@ptglab.com