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Animal-Free Recombinant Human IFN-λ1

Catalog # PBG10536

Specification

Animal-Free Recombinant Human IFN-λ1 - Product Information

Animal-Free Recombinant Human IFN-λ1 - Additional Information

Description
IFN λ-1,-2, and -3 (also known as IL-29, IL-28A and IL-28B respectively) are distantly related to the IL-10 family and Interferons. All three IFN-λs use a distinct receptor system composed of an IFN-λR1 subunit (also called CRF2-12) and IL-10R2 subunit (also called CRF2-14). Signaling through this receptor system induces antiviral defense similar but distinct than the type I Interferons. (Kotenko, SV. et al. Nat Immunology 2003 [1] p. 69-77). Recombinant human IFN-λ 1 is a 19.8 kDa protein containing 178 amino acid residues.

BiologicalActivity
Determined by its ability to activate STAT phosphorylation in an ISRE Luciferase Reporter Assay using human colon carcinoma COLO205 cells. The expected ED₅₀ is 0.2-0.5 ng/ml.

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content
Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage
-20°C

Precautions
Animal-Free Recombinant Human IFN-λ1 is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human IFN-λ1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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