

Recombinant Human IFN- λ 1
Catalog # PBG10166**Specification**

Recombinant Human IFN- λ 1 - Product Information**Recombinant Human IFN- λ 1 - 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- λ s use a distinct receptor system composed of an IFN- λ R1 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.

Biological Activity

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/ μ g of protein (<1EU/ μ g).

Protein Content

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

Storage

-20°C

Precautions

Recombinant Human IFN- λ 1 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human IFN- λ 1 - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant Human IFN- λ 1 - Images