

Recombinant Human IFN-ω

Catalog # PBG10169

Specification

Recombinant Human IFN-ω - Product Information

Recombinant Human IFN-ω - Additional Information

Description

IFN- ω is a type I interferon, which can be induced by virus-infected leukocytes. Members of the type I interferon family, which includes IFN- α , IFN- β , and IFN- ω , signal through IFNAR-1/IFNAR-2 receptor complex, and exert antiviral and antiproliferative activities. IFN- ω exhibits about 75% sequence homology with IFN- α , and contains two conserved disulfide bonds, which are necessary for full biological activity. Recombinant Human IFN- ω is a 19.9 kDa protein consisting of 172 amino acid residues.

BiologicalActivity

The ED₅₀ was determined by a cytotoxicity assay using Human TF-1 cells is ≤ 0.01 ng/ml, corresponding to a specific activity of ≥ 1 x 10⁸ units/mg.

Authenticity

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

Endotoxin

Endotoxin level is $<0.1 \text{ ng}/\mu\text{g}$ of protein ($<1\text{EU}/\mu\text{g}$).

Protein Content

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

Storage

-20°C

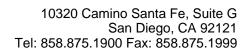
Precautions

Recombinant Human IFN- $\!\omega$ is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human IFN-ω - 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





Recombinant Human IFN- ω - Images