

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.

Biological Activity

The ED_{50} was determined by a cytotoxicity assay using Human TF-1 cells is ≤ 0.01 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^8$ units/mg.

Authenticity

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

Endotoxin

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

Protein Content

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

Storage

-20°C

Precautions

Recombinant Human IFN- ω 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 Cytometry](#)
- [Cell Culture](#)

Recombinant Human IFN- ω - Images