



Human IFN-omega

Human Interferon- ω , recombinant

Synonyms: IFN ω ; IFN ω ?; IFN-omega 1, interferon omega-1; IFN ω ; IFNomega; IFN ω ?; Interferon alpha-II-1; Interferon ω ; Interferon OMEGA; Interferon omega-1; Interferon ω ?; interferon, omega 1.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
20 μ g	4750.950.020		
100 μ g	4750.950.100		
1 mg	4750.950.199		

Please enquire for bulk quantities and other vial sizes.

Description

Recombinant Human IFN-Omega 1 produced in E.Coli is a 19.9 kDa single, non-glycosylated, polypeptide chain containing 172 amino acids. The IFN-Omega 1 is purified by proprietary chromatographic techniques.

- **Biological Activity** $\geq 1.0 \times 10^8$ units/mg
- **Source** *E. coli*
- **Purity** $\geq 95\%$ (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/ μ g (≤ 1 EU/ μ g)
- **Buffer** PBS, pH 7.4*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ of ≤ 0.01 ng/ml was determined by a cytotoxicity assay using Human TF-1 cells. It corresponds to a specific activity of $\geq 1.0 \times 10^8$ units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in water to a concentration at least 100 μ g/ml. **Do not vortex.** This solution can be stored at 2-8°C for up to 1 week or in working aliquots at -20°C to -80°C. Working aliquots should be at the highest practical concentration. For long term storage we recommend to add at least 0.1 % HSA (order number: 2835.955.xyz or 2835.958.xyz) or BSA (order number: 2835.919.xyz).

Stability

Lyophilized Human IFN-omega although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Human IFN-omega should be stored at 4°C between 2-7 days and for future use below -18°C. **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MCDLPQNHGL LSRNTLVLLH QMRRISPFLC LKDRRDFRFP QEMVKGSQLQ KAHVMSVLHE MLQQIFSLFH
 TERSSAAWNM TLLDQLHTGL HQQLQHLETC LLQVVGESES AGAISSPALT LRRYFQIRV YLKEKKYSDC
 AWEVVRMEIM KSLFLSTNMQ ERLRSKDRDL GSS

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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