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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Recombinant Human Interferon-Omega 1

CLCYT040
CLCYT040-2
CLCYT040-3
Lot: 814PIFNW1

Introduction: IFN-Omega 1 is a type I interferon, that can be induced by virus-infected leukocytes. Type I interferon family members, which include IFN-alpha, IFN-beta, and IFN-omega, signal through IFNAR-1/IFNAR-2 receptor complex, and wield antiviral and antiproliferative activities. IFNW1 exhibits about 75% sequence homology with IFN-a, and contains 2 conserved disulfide bonds, which are essential for full biological activity.

Description: Interferon-Omega 1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 172 amino acids and having a molecular mass of 19.9kDa. The Interferon-Omega 1 is purified by proprietary chromatographic techniques.

Synonyms: Interferon omega-1, Interferon alpha-II-1, IFNW1.

Source: Escherichia Coli.

Presentation: 20 µg (CLCYT040), 100 µg (CLCYT040-2), or 1 mg (CLCYT040-3), sterile filtered white lyophilized (freeze-dried) powder. Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Stability/Solubility: Lyophilized IFNW1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFNW1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. It is recommended to reconstitute the lyophilized IFNW1 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Purity: Greater than 95.0% as determined by SDS-PAGE and RP-HPLC

Biological Activity: The ED₅₀ was determined by a cytotoxicity assay using Human TF-1 cells is ≤ 0.01 ng/ml, corresponding to a specific activity of ≥ 100,000,000 units/mg.

Amino Acid Sequence:

MCDLPQNHGL LSRNTLVLLH QMRRISPFLC LKDRRDFRFP QEMVKGSQQLQ KAHVMSVLHE
MLQQIFSLFH TERSSAAWNM TLLDQLHTGL HQQLQHLETC LLQVVGESES AGAISSPALT
LRRYFQGIRV YLKEKKYSDC AWEVVRMEIM KSLFLSTNMQ ERLRSKDRDL GSS.

Laboratory Reagent For Research Use Only

MW 05/29/18

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