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32-1331: IFNW1 Recombinant Protein

Alternative Name : Interferon omega-1,Interferon alpha-II-1,IFNW1.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	100 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Storage condition :	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.
Amino Acid :	MCDLPQNHGL LSRNTLVLLH QMRRISPFLC LKDRRDFRFP QEMVKGSQLQ KAHVMSVLHE MLQQIFSLFH TERSSAAWNM TLLDQLHTGL HQQLQHLETC LLQVVGEGES AGAISSPALT LRRYFQGIRV YLKEKKYSDC AWEVVRMEIM KSLFLSTNMQ ERLRSKDRDL GSS.

Application Note

It is recommended to reconstitute the lyophilized IFNW1 in sterile 18M-cm H2O not less than 100Ã‚Âµg/ml, which can then be further diluted to other aqueous solutions. 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.