9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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IFNW1 Human

IFN-Omega 1 Human Recombinant
CYK0216

Product Overview

Name	IFNW1 Human

Description

IFN-Omega 1 Human Recombinant

Accession (Primary)	P05000

Synonyms

IFN omega-1, IFN alpha-II-1, IFNW1.

Introduction

IFN-Omega 1 is a type I IFN, that can be induced by virus-infected leukocytes. Type I IFN 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.

Stability

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.

Purity

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

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

Biological Activity

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Solubility

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

Precautions

IFNW1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05000)