



Interferon - Omega 1 Human Recombinant

Item Number rAP-0444

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

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.

Uniprot Accesion Number P05000

Amino Acid Sequence MCDLPQNHGL LSRNTLVLLH QMRRISPFLC LKDRRDFRFP QEMVKGSQLQ KAHVMSVLHE

MLQQIFSLFH TERSSAAWNM TLLDQLHTGL HQQLQHLETC LLQVVGEGES AGAISSPALT

LRRYFQGIRV YLKEKKYSDC AWEVVRMEIM KSLFLSTNMQ ERLRSKDRDL GSS.

Source Escherichia Coli.

Physical Appearance

and Stability

Sterile Filtered White lyophilized (freeze-dried) powder. 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.

Formulation and Purity

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined

by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Application

Solubility 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.

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.

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only