

Human IFNW1 Recombinant Protein



RPPB0409

Product Information Protein Information

Product SKU:

RPPB0409

Accession:

P05000

Host:

Escherichia Coli.

Protein description:

IFN-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 IFN-Omega 1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

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

Purity:

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

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.

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.

Amino Acid Sequence:

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

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.