

RMCH082

Recombinant IFN omega (interferon omega), Human , AF

 20ug;100ug;500ug;

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Synonym/Alternative name(s) : IFN alpha II-1, IFNW1**Activity:**

Measure by its ability to induce cytotoxicity in TF-1 cells.

The ED50 for this effect is <0.02 ng/mL.

The specific activity of recombinant human IFN omega is approximately >5 x10⁷ IU/ mg.**Protein Description:**

IFN- ω is a member of the type I interferon family, that can be induced by virus infected leukocytes and exert antiviral and anti-proliferative activities. IFN- ω shares about 75% sequence homology with IFN- α . There are two conserved disulfide bonds that are necessary for full biological activity.

Protein Accession : P05000.2**Gene ID :** 3467**Expression Sequence:**

MCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDRFRFPQEMVKGSQLQKAHVMSVLHEMLQQIFSLFHTERSAAWNMTLLDQL
HTGLHQQLQHLETCLLVVGGESAGAIISSPALTLRRYFQGRVYLYLKEKKYSDCAWVEVVRMEIMKSLFLSTNMQERLRSKDRDLGSS
with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:<0.1 EU per 1 μ g of the protein by the LAL method.**Calculated Molecular Weight :** 20.93 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

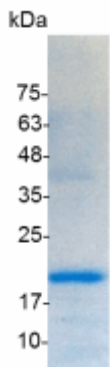
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human IFN omega