

RMCH080

Recombinant IFN beta 1a (Interferon beta 1a), Human, AF



5ug;20ug;100ug;500ug;

| | |
|----------------|--------------------------------------|
| Order | 021-34695924 orders@ab-mart.com |
| Support | 400-6123-828 support1@ab-mart.com |
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Synonym/Alternative name(s) : IFNB1, Type I Interferon

Activity:

Measure by its ability to induce apoptosis in HeLa cells.

The ED50 for this effect is <15 ng/mL.

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

The ED50 for this effect is <0.1 ng/mL.

The specific activity of recombinant human IFN beta 1a is approximately >1 x10⁷ IU/ mg.

Protein Description:

Interferon-beta is, a cytokine, released by fibroblasts and pathogen-exposed dendritic cells, macrophages, and endothelial cells. IFN beta 1a conducts through the heterodimeric IFN-alpha/beta Receptor. IFN-beta-deficient mice are easier to suffer from experimental autoimmune encephalomyelitis (EAE), a disease model of human multiple sclerosis (MS). In addition, IFN-beta has been proved to suppress the Th17 cell response in both MS and EAE and is usually used to treat MS disease.

Protein Accession : P01574.1

Gene ID : 3456

Expression Sequence:

MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKLQQFQKEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLA
NVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKRYYGRIHLHYLKAKEYSHCAWTIVRVEILRNPFYFINRLTGYLRLN 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:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 20.84 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/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 beta
1a