For Research Use Only

Recombinant Human IFN beta

proteintech®
Antibodies | ELISA kits | Proteins

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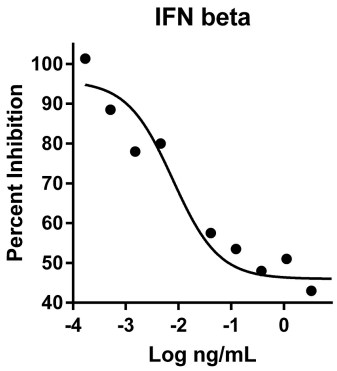
Catalog Number:HZ-1298 HEK293 expressed | Endotoxin-free | Animal-component free

Technical Specifications

Species	Human
Expression	HEK293
Activity	Typically ≤ 0.1 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/μg
Molecular Mass	18 to 22 kDa, glycosylated
Formulation	Sodium Acetate pH 4.8 + 150mM NaCl + CHAPS, See Certificate of Analysis for details
Gene ID	3456



The activity was determined by dose-dependent inhibition of proliferation of TF-1 cells using Promega CellTiter96® Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

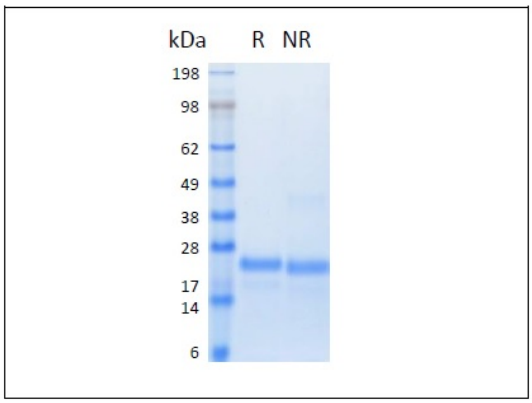
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile water.

Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human IFN beta (IFN beta 1/ IFN beta 1a), is a member of type I family of interferons. It binds to a heterodimeric receptor, known as the IFNα/β receptor (IFNAR) resulting in activation of a number of Jak/ STAT proteins. Activation of this signaling pathway results in activation of genes that inhibit viral infection and regulate MHC class I antigens. It is primarily produced by fibroblasts and monocytes. In addition to inhibiting viral infection, IFN beta is also involved in regulating and activating immune response against bacteria, parasite and tumor cells. Multiple sclerosis is characterized by a deficiency of IFN beta 1. An injectable form of IFN beta 1 is used for MS treatment.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. R represents reducing conditions and NR represents non-reducing conditions.

Synonyms

IFNbeta

For technical support and original validation data for this product please contact:
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