

Recombinant Human IFN alpha 2B

Catalog Number: **HZ-1072** **HEK293 expressed** **Endotoxin-free** **Animal-component free**

Technical Specifications

Species: human	Purity: >95%	Formulation: 1x PBS, See Certificate of Analysis for details
Expression: HEK293	Endotoxin: <1 EU/μg	Gene ID: 3440
Activity: Typically ≤ 0.12 ng/mL EC50	Molecular Mass: 16 kDa, monomer, glycosylated	

Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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.

Background

Interferon alpha 2 is a type 1 interferon secreted by virus-infected cells to protect surrounding cells from the pathogen. Recombinant human interferon alpha 2 has been approved for therapeutic application in a range of human oncological and viral diseases. Three Interferon alpha 2 subvariants (2A, 2B, 2C) differ by only one or two amino acids at positions 23 and/or 34 of the mature protein (PMID: 25982860; 10672347; 1694761)

Synonyms

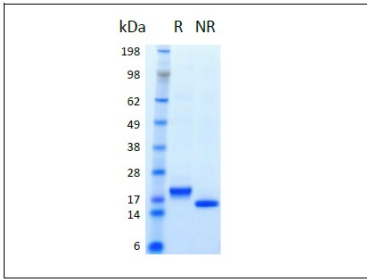
IFN alpha 2, IFNA, IFNA2, INFA2, Interferon alpha 2, Interferon alpha A, interferon, alpha 2, LelF A

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

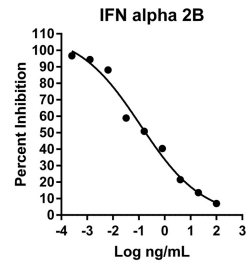
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1(312) 455-8498 (outside USA) W: ptglab.com

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Selected Validation Data



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.



The activity was determined by the dose-dependent cytotoxicity of the human TF -1 cell line (human erythroleukemic indicator cell line) using the Promega CellTiter96® Aqueous Non-Radioactive Cell Proliferation Assay.