

IFN- α 2b
Catalog # PVGS1231

Specification

IFN- α 2b - Product Information

Primary Accession [P01563](#)
Species
Human

Sequence
Cys24-Glu188 (Lys46Arg)

Purity
> 95% as analyzed by SDS-PAGE
> 95% as analyzed by HPLC

Endotoxin Level
< 0.2 EU/ μ g of protein by gel clotting method

Biological Activity
ED₅₀ < 0.05 ng/ml, measured by a cytotoxicity assay using TF-1 Cells, corresponding to a specific activity of $> 2.0 \times 10^7$ units/mg.

Expression System
E. coli

Formulation **Lyophilized after extensive dialysis against PBS.**

Reconstitution
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH₂O up to 100 μ g/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

IFN- α 2b - Additional Information

Gene ID 3440

Other Names
Interferon alpha-2, IFN-alpha-2, Interferon alpha-A, LeIF A, IFNA2, IFNA2A, IFNA2B, IFNA2C

Target Background
Interferon-Alpha 2b (IFN-Alpha 2b) produced by leukocytes is a member of Interferon family. IFN-alpha is mainly involved in innate immune response against a broad range of viral infections. IFN-alpha 2 has three acid stable forms (a,b,c) signaling through IFNAR2. IFN-alpha 2b shares 99.4% aa sequence identity with both IFN-alpha 2a and 2c. IFN-alpha contains four highly

conserved cysteine residues which form two disulfide bonds, one of which is necessary for biological activity.

IFN- α 2b - Protein Information

Name IFNA2

Synonyms IFNA2A, IFNA2B, IFNA2C

Function

Produced by macrophages, IFN-alpha have antiviral activities.

Cellular Location

Secreted.

IFN- α 2b - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IFN- α 2b - Images