

IFN- α 1b
Catalog # PVGS1090

Specification

IFN- α 1b - Product Information

Primary Accession [P01562](#)
Species
Human

Sequence
Cys24-Glu189 (Ala137Val), expressed with an N-terminal Met

Purity
> 96% as analyzed by SDS-PAGE
> 96% as analyzed by HPLC

Endotoxin Level
< 1 EU/ μ g of protein by LAL method

Biological Activity
Fully biologically active when compared to standard. The specific activity determined by an anti-viral assay is no less than 1.0×10^8 IU/mg.

Expression System
E. coli

Theoretical Molecular Weight
19.5 kDa

Formulation **Lyophilized from a 0.2 μ m filtered solution in PBS, pH 7.4, 4% mannitol, 1% HSA.**

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 sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

IFN- α 1b - Additional Information

Gene ID 3439;3447

Other Names
Interferon alpha-1/13, IFN-alpha-1/13, Interferon alpha-D, LeIF D, IFNA1

Target Background
At least 23 different variants of IFN-alpha are known. The individual proteins have molecular

masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-alpha subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-alpha subtypes differ in their sequences at only one or two positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.

IFN- α 1b - Protein Information

Name IFNA1

Function

Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.

Cellular Location

Secreted.

IFN- α 1b - 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 1b - Images