Recombinant Human IFNα2b/IFNA2 Protein

Catalog Number:PKSH033640



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Interferon Alpha-2;IFN-Alpha-2;Interferon Alpha-A;LeIF A;IFNA2;IFN-alpha 2b

Species Human
Expression Host E.coli

Sequence Cys24-Glu188

AccessionP01563Calculated Molecular Weight19.4 kDaObserved molecular weight17 kDaTagNone

Bioactivity Measured in antiviral assay using A549 human lung cancer cells infected with

vesicular stomatitisvirus (VSV) The ED₅₀ for this effect is 5 ng/mL.

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

ShippingThis product is provided as lyophilized powder which is shipped with ice packs. **Formulation**Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

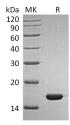
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed man

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

At least 23 different variants of IFN- α 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- α subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN- α subtypes differ in their sequences by only one or two positions. Naturally occurring variants also include proteins that are truncated by 10 amino acids at the carboxyl-terminal end.

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