

Recombinant human IFN α 2b protein (Active, CHO)

Catalog Number: bs-48081P

Species: Human

AA Seq: 24-188/188

Predicted MW: 19.2

Tags: Tag free

Activity: Yes

Endotoxin: ≤ 10 EU/mg

Purity: $\geq 95\%$ as determined by SDS-PAGE.

Purification: AC

Form: Lyophilized

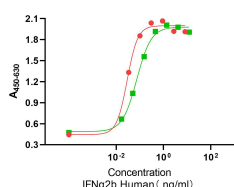
Storage: PBS, 5% Mannitol and 0.01% Tween 80 (pH=7.4)

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.

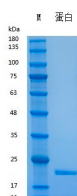
Background: Interferon alpha 2b is one of the known 23 different variants of IFN-alpha. The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-alpha subtypes possess a common conserved sequence region between amino 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.

Interferon alpha 2b is a potent immune modulator. It can either inhibit or enhance immune cell activity within the tightly regulated microenvironment of inflammation, depending upon the concentration of the cytokine and the activation stage of the cell. Interferon alpha 2B is currently used as an anticancer drug due to its antiproliferative activity.

VALIDATION IMAGES



Measured in a VSV inhibition assay with Wish



The purity of the protein is greater than 95% as

cells. The ED50 this effect is ≤ 100 pg/mL,
corresponding to a specific bioactivity is ≥ 1
 $\times 10^7$ units/mg.

determined by reducing SDS-PAGE.