

Interferon alpha-2b Active Protein | INF alpha-2b active protein

Human Interferon alpha-2b (INF alpha-2b), yeast

CATALOG #
AAA62203

HOST
Yeast

PRODUCT SYNONYMS

Interferon alpha-2b; Human Interferon alpha-2b (INF alpha-2b); yeast; Human Interferon Alfa-2b (INF alpha-2b); human interferon alpha-2b; INF alpha-2b active protein

PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	> 97% (by SDS-PAGE and HPLC)
Form/Format	Lyophilized from a 0.2mum filtered solution in 20mM Phosphate Buffer Reconstitute with double distilled water at a concentration of no less than 1 mug/ml with 0.1% human serum albumin (A highly purified plant-derived human serum albumin is strongly sug
Endotoxin Level	<=1 EU/mg, determined by the LAL method
Biological Activity	Bioactivity is detected using cytopathic effect inhibition assay method, WISH cell (a heteroploid human amnion cell line) as dependent cell strain. The specific activity shall be not less than 2.0×10 ⁸ IU/mg.
Preparation and Storage	Stable for 6-months from the date of shipment when kept at -20 degree C or -70 degree C. Upon reconstitution, it can be stored at 4 degree C for at least one month or -20 degree C for at least three months. Avoid repeated freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for INF alpha-2b active protein	Description: Recombinant human IFN alpha-2b produced in Yeast is a single, non-glycosylated, polypeptide chain containing 165 amino acids, two pairs of disulfide bonds and having a molecular mass of approximately 19.3kD. Introduction: Human Interferon alpha-2b is a single polypeptide chain of 165 amino acids residues, containing 4 Cys to form two disulfide bonds at positions of Cys 1- Cys 98 and Cys 29-Cys 138, and it has a molecular mass of approximately 19.3 kD. IFN can exert certain cell activities through binding to specific cell surface receptors, as firstly induce to develop special proteins, such as protein kinase and 2', 5'-oligo polyadenylic acid synthase etc. The unique character of two enzymes is that they can be activated respectively by double chains RNA to produce the effect of self-phosphorylation. INF can also enhance phagocytosis activity of macrophage and special toxicity of lymphocyte to target cells to cause immunoregulation. Its biological effects contains: (1) Anti-virus: INF alpha has broad-spectrum anti-virus effect; (2) Cytostatic effect to certain cells; (3) Immunoregulation effect: accelerate the expression of MHC antigen by most cell and active NK cell and CTL. (4) Repress and kill tumor cells: INF-alpha kill the tumor cells through accelerating the immunological function and enhancing the killing ability of macrophage, NK and CTL.
Product Categories/Family for INF alpha-2b active protein	Cytokine Proteins

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.