
Mouse IFN alpha 2 Recombinant Protein

Catalog Number: 14-8312

Also Known As: Interferon-alpha 2, IFN- α 2

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Mouse IFN alpha 2 Recombinant Protein

REF **Catalog Number:** 14-8312

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: E. coli expressed amino acids Cys24-Glu190 of mature mouse IFN α 2 (accession # NM_010503).


Molecular Mass: The protein has a predicted molecular mass of 19,361. The non-reduced protein migrates as a 16 kDa polypeptide on SDS-PAGE. The DTT reduced protein migrates as an 18 kDa polypeptide.

Purity: Greater than 98% as determined by SDS-PAGE

Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: The recombinant mouse IFN- α 2 has been tested for inhibition of the cytopathic effect of EMC virus on L929 cells. The ED₅₀ for this effect is typically 0.1 ng/ml, corresponding to a specific activity of 1×10^7 U/mg.

Formulation: Sterile liquid; 50mM NaAc, 0.1M NaCl, 0.5% BSA, pH 5.0

 **Temperature Limitation:** Store at less than or equal to -70°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

Description

IFN- α 2 is a type I interferon, previously known as B-cell interferon, leukocyte interferon, lymphoblast interferon, and pH2-stable interferon. IFN- α 2 is one of at least 23 different known variants of IFN- α . The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. IFN- α forms are produced by monocytes/macrophages, lymphoblastoid cells, fibroblasts, and a number of different cell types following induction by viruses, nucleic acids, glucocorticoid hormones, and low-molecular weight substances (n-butyrate, 5-bromodeoxyuridine). IFN- α 2 demonstrates antiviral, antiparasitic, antiproliferative activities.

Applications Reported

The recombinant mouse IFN α 2 has been reported useful for bioassay.

Applications Tested

The recombinant mouse IFN- α 2 has been tested for inhibition of the cytopathic effect of EMC virus on L929 cells. The ED₅₀ for this effect is typically 0.1 ng/ml, corresponding to a specific activity of 1×10^7 U/mg.

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