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Mouse IFN alpha 4 Recombinant Protein Carrier-Free

Catalog Number: 34-8313
Also Known As: Interferon-alpha 4, IFN-a4, IFNa4
RUO: For Research Use Only

Product Information

Contents: Mouse IFN alpha 4 Recombinant Protein Carrier-Free
REF Catalog Number: 34-8313
Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in sterile envrioment.
Source: E. coli expressed amino acids Cys25-Glu186 of mature mouse IFNa4 (accession # NM_010504).
Molecular Mass: The protein has a predicted molecular mass of 21,535 daltons. The DTT reduced and non-reduced proteins migrate as a 20 kDa polypeptide on SDS-PAGE.
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-α4 has been tested for inhibition of the cytopathic effect of EMC virus on L929 cells. The ED_{50} for this effect is typically 40 pg/ml, corresponding to a specific activity of 2×10^7 U/mg.

Formulation: Sterile liquid; 20 mM phosphate, 0.1 M NaCl, 0.05% Tween-20, pH 6.0
Temperature Limitation: Store at less than or equal to -70°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial

Description

IFN-α4 is a type I interferon, previously known as B-cell interferon, leukocyte interferon, lymphoblast interferon, and pH2-stable interferon. IFN-α4 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-α4 demonstrates antiviral, antiparasitic,and antiproliferative activities.

Applications Reported

The recombinant mouse IFNa4 has been reported useful for bioassay.

Applications Tested

The recombinant mouse IFN-α4 has been tested for inhibition of the cytopathic effect of EMC virus on L929 cells. The ED_{50} for this effect is typically 40 pg/ml, corresponding to a specific activity of 2×10^7 U/mg.

Related Products

34-8312 Mouse IFN alpha 2 Recombinant Protein Carrier-Free
34-8316 Human IFN alpha 2 Recombinant Protein Carrier-Free (See alternative cat. no. BMS305)

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