

Active Recombinant Mouse IFN beta 1a Protein, His-Tagged

Cat. No. IFN beta 1a-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IFN beta 1a Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interferon-beta is, a cytokine, released by fibroblasts and pathogen-exposed dendritic cells, macrophages, and endothelial cells. IFN beta 1a conducts through the heterodimeric IFN-alpha/beta Receptor. IFN-beta-deficient mice are easier to suffer from experimental autoimmune encephalomyelitis (EAE), a disease model of human multiple sclerosis (MS). In addition, IFN-beta has been proved to suppress the Th17 cell response in both MS and EAE and is usually used to treat MS disease.
Form	Lyophilized powder
AA Sequence	MINYKQLQLQERTNIRKCQELLEQLNGKINLTYRADFKIPMEMTEKMQKSYTAFAIQE MLQNVFLVFRNFSSTGWNETIVVRLLDLHQQTVF LKTVLEEKQEERLTWEMSSTALHLKSYWVRVQRYLKLMKYNSYAWMVVRAEIFRNF LIIRRLTRNFQN with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to protect HeLa cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is <5 pg/mL. The specific activity of recombinant mouse IFN beta 1a is > 1 x 10 ⁹ IU/mg.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.
	