

ARG70226 Mouse IFN beta 1a recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Mouse IFN beta 1a recombinant protein
Tested Application	SDS-PAGE
Target Name	IFN beta 1a
Species	Mouse
A.A. Sequence	Ile22 - Asn182
Expression System	E. coli
Activity	Active
Alternate Names	Fibroblast interferon; IFN-beta; IFNB; IFF; IFB; Interferon beta

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IFNB1
Gene Full Name	interferon, beta 1, fibroblast
Background	This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection. [provided by RefSeq, Sep 2015]
Function	Has antiviral, antibacterial and anticancer activities. [UniProt]
Highlight	Related products: IFN beta antibodies ; IFN beta ELISA Kits ; IFN beta recombinant proteins ;

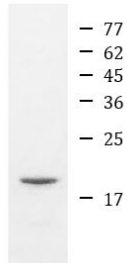
Related news:

[circNDUFB2, a circular RNA \(circRNA\), activates anti-tumor immunity](#)

Cellular Localization

Secreted. [UniProt]

Images



Mouse IFN beta 1a
recombinant protein
(His-tagged, C-ter)

ARG70226 Mouse IFN beta 1a recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70226 Mouse IFN beta 1a recombinant protein (Active) (His-tagged, C-ter).