

ARG70385 Human IFN alpha recombinant protein (Active) (His-tagged, N-ter)

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

Summary

Product Description	E. coli expressed, His-tagged (N-ter) Active Human IFN alpha recombinant protein
Tested Application	SDS-PAGE
Target Name	IFN alpha
Species	Human
A.A. Sequence	Cys24 - Glu189
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to inhibit IL-8 secretion in human PBMCs in the presence of LPS. The ED50 for this effect is < 1.12 µg/mL.
Alternate Names	IFNA1; Interferon Alpha 1; IFN-AlphaD; IFN-ALPHA IFNA13; IFNA@; IFL; IFN; Interferon Alpha-1/13; Interferon Alpha 1b; Interferon Alpha-D; IFN-Alpha-1/13; LeIF D; Interferon-Alpha1; IFN-Alpha 1b

Properties

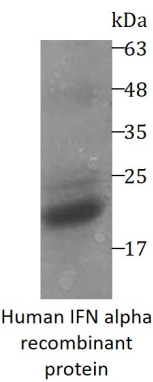
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate 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	IFNA1
Gene Full Name	Interferon Alpha 1
Background	This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded cytokine is a member of the type I interferon family that is produced in response to viral infection as a key part of the innate immune response with potent antiviral, antiproliferative and immunomodulatory properties. This cytokine, like other type I interferons, binds a plasma membrane receptor made of IFNAR1 and IFNAR2 that is ubiquitously expressed, and thus is able to act on virtually all body cells. This cytokine is upregulated in preeclamptic placentas and is thought to be a mediator of preeclampsia.
Function	Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.

PTM	Disulfide bond
Cellular Localization	Secreted

Images



ARG70385 Human IFN alpha recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70385 Human IFN alpha recombinant protein (Active) (His-tagged, N-ter)