

Recombinant Human IFNA1 Protein, His&GST-tagged

Cat. No. IFNA1-1647H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNA1 Protein (Cys24-Leu181) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys24-Leu181
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.2 kDa Accurate Molecular Mass: 48 kDa
Purity	> 90%

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Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IFNA1 interferon alpha 1 [Homo sapiens (human)]
Official Symbol	IFNA1
Synonyms	IFNA1; interferon alpha 1; IFL; IFN; IFNA@; IFNA13; leIF D; IFN-ALPHA; IFN-alphaD; interferon alpha-1/13; IFN-alpha-1/13; interferon alpha 1b; interferon alpha-D; interferon-alpha1
Gene ID	3439
mRNA Refseq	NM_024013
Protein Refseq	NP_076918

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MIM 147660

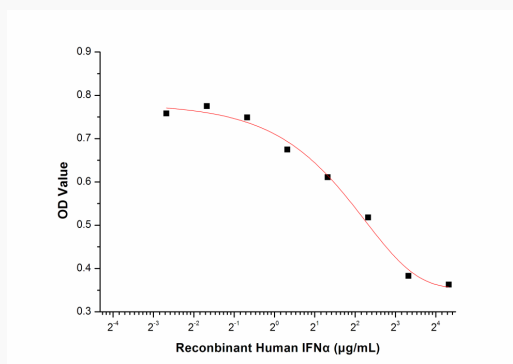
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Bioactivity



Inhibition of A549 cells proliferation after stimulated with IFN- α

Bioactivity

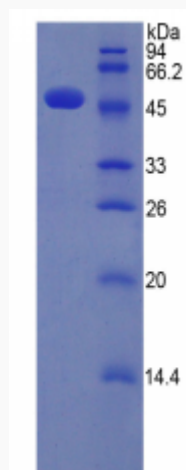


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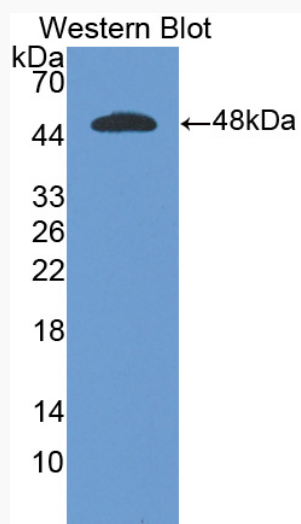
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