

## Recombinant Human IFNA2

**Cat. No.** IFNA2-29497TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Interferon alpha 2a protein , containing 165 amino acids and a MW of 19 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded protein is a cytokine produced in response to viral infection. Use of the recombinant form of this protein has been shown to be effective in reducing the symptoms and duration of the common cold.
<b>Biological activity</b>	Specific Activity is $2.7 \times 10^8$ IU/mg.
<b>Form</b>	Lyophilised:Reconstitute in sterile 18MOhm/cm water to not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: Sodium chloride, 0.77mg/ml Ammonium Acetate.
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino</b>	The sequence of the first five N-terminal amino acids was determined and was found

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<b>acids</b>	to be Cys-Asp-Leu-Pro-Gln, conforming to the sequence of native human IFN-a.N-terminal methionine has been completely removed enzymatically.
<b>Sequence Similarities</b>	Belongs to the alpha/beta interferon family.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	IFNA2 interferon, alpha 2 [ Homo sapiens ]
<b>Official Symbol</b>	IFNA2
<b>Synonyms</b>	IFNA2; interferon, alpha 2; interferon alpha-2; alpha 2a interferon; IFN alphaA; IFNA; interferon alpha 2b; interferon alpha A;
<b>Gene ID</b>	3440
<b>mRNA Refseq</b>	NM_000605
<b>Protein Refseq</b>	NP_000596
<b>MIM</b>	147562
<b>Uniprot ID</b>	P01563
<b>Chromosome Location</b>	9p22
<b>Pathway</b>	Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Cytokine Signaling in Immune system, organism-

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specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

**Function**

cytokine activity; interferon-alpha/beta receptor binding; protein binding;

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