

## Recombinant Human IFNA1 Protein

Cat. No. IFNA1-070H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** The mature recombinant human IFN- $\alpha$ 1 protein containing 166 amino acid residues without tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**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.

**Molecular Mass** 19.3 kDa

**Endotoxin** < 0.1 EU/ $\mu$ g of the protein as determined by the LAL method

**Purity** > 95 % as determined by SDS-PAGE

**Storage** At -80 centigrade. Avoid repeated freeze-thaw cycles.

**Storage Buffer** PBS

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**GENE INFORMATION**

<b>Gene Name</b>	IFNA1 interferon alpha 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IFNA1
<b>Synonyms</b>	IFNA1; interferon alpha 1; IFL; IFN; IFNA@; IFNA13; IeIF D; IFN-ALPHA; IFN-alphaD; interferon alpha-1/13; Names; IFN-alpha-1/13; interferon alpha 1b; interferon alpha-D; interferon-alpha1
<b>Gene ID</b>	3439
<b>mRNA Refseq</b>	NM_024013
<b>Protein Refseq</b>	NP_076918
<b>MIM</b>	147660
<b>UniProt ID</b>	P01562

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