

Recombinant Human IFNA1

Cat. No. IFNA1-53H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interferon Alpha was expressed in yeast.
Species	Human
Source	Yeast
Description	Streuli et al. (1980) showed that at least 3 different IFN-alpha genes are expressed in man. Furthermore, study of genomic DNA revealed the presence of at least 8 IFN genes. Nagata et al. (1980) found that the alpha-interferon genes are devoid of intervening sequences. Using radioactive probes from purified cDNA clones of interferons, Owerbach et al. (1981) located at least 8 leukocyte interferon genes and a fibroblast interferon gene on chromosome 9. Shows et al. (1982) found that the alpha- and beta-interferon genes are on 9p. The mapping to 9pter-q12 was accomplished by blot hybridization of cloned interferon cDNA to DNA from human-mouse cell hybrids with a translocation involving chromosome 9.
Form	Lyophilized from sterile 20mM PB, 240mM NaCl, pH 6.0.
Molecular Mass	50.3kDa
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Applications	Western blotting, ELISA

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Storage

Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -80°C.

GENE INFORMATION
Gene Name

IFNA1 interferon, alpha 1 [Homo sapiens]

Official Symbol

IFNA1

Synonyms

IFNA1; interferon, alpha 1; interferon alpha-1/13; IFL; IFN; IFN ALPHA; IFN alpha 1b; IFN alphaD; IFNA13; IFNA@; interferon alpha 1b; leIF D; IFN-alpha 1b; IFN-alpha-1/13; interferon-alpha1; interferon alpha-D; IFN-ALPHA; IFN-alphaD; MGC138207; MGC138505; MGC138507;

Gene ID

3439

mRNA Refseq

NM_024013

Protein Refseq

NP_076918

MIM

147660

UniProt ID

P01562

Chromosome Location

9p22

Pathway

Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific

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biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem;

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