

Human Interferon alpha-1(rDNA derived) Reference standard

Cat. No. IFNA1-73H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This is for use as the primary biological reference standard for IFN Alpha 1.
Species	Human
Enzyme Unit	8000 International Units (IU) per ampoule.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Dissolve the total contents of the ampoule in 0.5ml of sterile distilled water and transfer to a sterile container. Rinse the ampoule with 0.4ml of sterile distilled water and add to the first solution.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.
Stability	Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities and they should be stored on receipt as indicated on the label. Accelerated degradation studies have indicated that this material is suitably stable, when stored at -20°C or below, for the assigned values to remain valid until

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the material is withdrawn or replaced. These studies have also shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

Storage

For economy of use, it is recommended that the final solution or dilutions thereof be sub-divided into several small aliquots and stored at -20°C or below. Avoid repeated thawing/freezing. Unopened ampoules should be stored at -20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

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

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

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