

Recombinant Rabbit IFNG

Cat. No. IFNG-116R **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Rabbit IFN gamma was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.

Species

Rabbit

Source

Yeast

Description

Interferon-gamma (IFN-gamma) is a dimerized soluble cytokine that is the only member of the type II class of interferons. This interferon was originally called macrophage-activating factor, a term now used to describe a larger family of proteins to which IFN-gamma belongs. IFN-gamma, or type II interferon, is a cytokine that is critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Aberrant IFN-gamma expression is associated with a number of autoinflammatory and autoimmune diseases. The importance of IFN-gamma in the immune system stems in part from its ability to inhibit viral replication directly, but, most important, derives from its immunostimulatory and immunomodulatory effects. IFN-gamma is produced predominantly by natural killer (NK) and natural killer T (NKT) cells as part of the innate immune response, and by CD4 and CD8 cytotoxic T lymphocyte (CTL) effector T cells once antigen-specific immunity develops.

Molecular Mass

Rabbit IFN gamma has a predicted molecular weight of 16.9 kDa.

AA Sequence

QDTLTRETEH LKAYLKANTS DVANGGPLFL NILRNWKEES DNKIIQSQIV

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SFYFKLFDNL KDHEVIKKS ESIKEDIFVK FFNSNLTKMD DFQNLTRISV
 DDRLVQRKAV SELSNVLNFL SPKSNLKKRK RSQTLFRGRR ASKY (144)

Applications

The rabbit IFN gamma protein can be used in cell culture, as a IFN gamma ELISA Standard, and as a Western Blot Control.

GENE INFORMATION
Gene Name

IFNG interferon, gamma [*Oryctolagus cuniculus* (rabbit)]

Official Symbol

IFNG

Synonyms

IFNG; interferon, gamma; interferon gamma; IFN gamma; IFN-gamma

Gene ID

100008602

mRNA Refseq

NM_001081991

Protein Refseq

NP_001075460

UniProt ID

P30123

**Chromosome
Location**

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