

Recombinant Rabbit IFN gamma

Cat. No. IFNg-28R 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.

Form

Lyophilized

Molecular Mass

16.9 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	QDTLTRETEHLKAYLKANTSDVANGGPLFLNILRNWKEESDNKIIQSQIVS FYFKLFD NLKDHEVIKKSMESEIKEDIFVKFFNSNLTKMDDFQNL TRISVDDRLVQRKAVSELSNV LNFLSPKSNLKKRKRKRSQTLFRG RRASKY (144)
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Applications	The rabbit IFN gamma protein can be used in cell culture, as a IFN gamma ELISA Standard, and as a Western Blot Control.
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Storage	-20 C
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GENE INFORMATION

Gene Name	IFNG interferon, gamma [<i>Oryctolagus cuniculus</i>]
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Official Symbol	IFNg
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Synonyms	IFNG; interferon, gamma; interferon gamma; IFN gamma; IFN-gamma;
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Gene ID	100008602
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mRNA Refseq	NM_001081991
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Protein Refseq	NP_001075460
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