

Recombinant Zebrafish IFN gamma 1 Protein, 146

Cat. No. IFNG-13Z Lot. No. (See product label)

SPECIFICATION

Product Overview	Zebrafish IFN gamma 1-1 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Zebrafish
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	17.4 kDa
AA Sequence	YRFRRSRSENPI LNTNIEKLKTHYNTLAKDWVGKSVFVSHLDQLNSKPTCTCQAVLL

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EGMLSIYEDIFQDMMNKSDNKEVRDDLKKVIHEVKNLKHKYNEEHKLWRELQDIHSV
KAKNGTIQERALNDFLKVYYRASTEKRHLHMS

Applications

The zebrafish IFN gamma endotoxin-free recombinant protein can be used in cell culture, as an ELISA Standard, and as a Western Blot Control.

GENE INFORMATION

Official Symbol

IFNG

Synonyms

IFNG; IFN gamma 1-1

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