

## Recombinant Ovine IFN gamma

Cat. No. IFNg-51O Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

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

#### Species

Ovine

#### 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

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<b>AA Sequence</b>	QGPFFKEIEN LKEYFNASNP DVAKGGPLFS EILKNWKEES DKKIISQIV SFYFKLFENL KDNQVIQRSM DIIKQDMFQK FLNGSSEKLE DFKRLIQIPV DDLQIQRKAI NELIKVMNDL SPKSNLRKRK RSQNLFRGRR ASM (143)
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<b>Applications</b>	Ovine IFN gamma protein can be used in cell culture, as an IFN gamma ELISA Standard, and as a Western Blot Control.
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<b>Storage</b>	-20 C
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