

## Product datasheet

# Recombinant Cat Interferon gamma protein ab93910

### Overview

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<b>Product name</b>	Recombinant Cat Interferon gamma protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Yeast

### Amino Acid Sequence

<b>Species</b>	Cat
<b>Sequence</b>	<p>QAMFFKEIEE LKGYFNASNP DVADGGSLFV            DILKNWKEES DKTIQSQIV SFYMKMFENL            KDDDQRIQRS MDTIKEDMLD KLLNTSSSKR            DDFLKLQIP VNDLQVQRKA INELFKVMND            LSPRSNLRKR KRSQNLFRGR RASK</p>

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab93910** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Purity</b>	> 95 % SDS-PAGE. Purified by Ion-exchange chromatography.
<b>Form</b>	Lyophilised
<b>Additional notes</b>	Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

### Preparation and Storage

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<b>Stability and Storage</b>	<p>Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.</p> <p>Preservative: None</p> <p>Constituents: 10% Trehalose, 1X PBS</p>
<b>Reconstitution</b>	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

## General Info

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<b>Function</b>	Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.
<b>Tissue specificity</b>	Released primarily from activated T lymphocytes.
<b>Involvement in disease</b>	In Caucasians, genetic variation in IFNG is associated with the risk of aplastic anemia (AA) [MIM:609135]. AA is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.
<b>Sequence similarities</b>	Belongs to the type II (or gamma) interferon family.
<b>Post-translational modifications</b>	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.
<b>Cellular localization</b>	Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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