

Product datasheet

Recombinant Cat Interferon gamma protein ab93910

Overview

Product name	Recombinant Cat Interferon gamma protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Yeast

Amino Acid Sequence

Species	Cat
Sequence	QAMFFKEIEE LKGYFNASNP DVADGGSLFV DILKNWKEES DKTIQSQIV SFYMKMFENL KDDDQRIQRS MDTIKEDMLD KLLNTSSSKR DDFLKLIQIP VNDLQVQRKA INELFKVMND LSPRSNLRKR KRSQNLFRGR RASK

Specifications

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.

Applications	SDS-PAGE
Purity	> 95 % SDS-PAGE. Purified by Ion-exchange chromatography.
Form	Lyophilised
Additional notes	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

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

General Info

Function	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.
Tissue specificity	Released primarily from activated T lymphocytes.
Involvement in disease	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.
Sequence similarities	Belongs to the type II (or gamma) interferon family.
Post-translational modifications	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.
Cellular localization	Secreted.

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