

IL 15 Rat

Interleukin-15 Rat Recombinant
CYK0257

Product Overview

Name IL 15 Rat

Description

Interleukin-15 Rat Recombinant

Accession (Primary) [P97604](#)

Synonyms

IL16, Interleukin-16, LCF, Lymphocyte Chemoattractant Factor, prIL-16, IL-16, FLJ16806, FLJ42735, FLJ44234, HsT19289.

Introduction

IL-16 is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of IL-16 is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. IL-16 functions exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Two transcript variants encoding different isoforms have been found for this gene. IL-16 stimulates a migratory response in cd4+ lymphocytes, monocytes, and eosinophils. Also induces t-lymphocyte expression of interleukin 2 receptor, ligand for cd4.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

IL-16 was lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Stability

Lyophilized Interleukin-16 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL16 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis SDS-PAGE.

Amino acid sequence

SAASASAASD VSVESTAEAT VCTVTLEKMS AGLGFSLEGG KGSLHGDKPL TINRIFKGAA SEQSETVQPG
DEILQLGGTA MQGLTRFEAW NIIKALPDGP VTIVIRRKSL QSKETTAAGD S

Biological Activity

Fully biologically active when compared to standard. Determined by its ability to chemoattract human CD4+ T-Lymphocytes using a concentration range of 50.0-100.0 ng/ml.

Solubility

It is recommended to reconstitute the lyophilized Interleukin-16 in sterile 18M²-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 15 Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P97604](#))