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IL 16 Rhesus Macaque

Interleukin-16 Rhesus Macaque Recombinant
CYK0262

Product Overview

Name	IL 16 Rhesus Macaque

Description

Interleukin-16 Rhesus Macaque Recombinant

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

Lyophilized from a 0.2?m filtered concentrated solution in PBS, pH 7.4.

Stability

Lyophilized IL-16 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-16 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 98.0% as determined by SDS-PAGE.

Amino acid sequence

SAASASAASD VSVESSAEAT VYTVTLEKMS AGLGFSLEGG KGSLHGDKPL TINRIFKGAA SEQSETIQPG

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DEILQLAGTA MQGLTRFEAW NIIKALPDGP VTIVIRRKSL QPKETTAAAD 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 50.0-100.0ng/ml corresponding to a Specific Activity of 10,000-20,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized IL-16 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 16 Rhesus Macaque is for research use only and not for use in diagnostic or therapeutic procedures.