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San Diego, CA 92191
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IL-10 Human, Sf9

Interleukin 10 Human Recombinant, Sf9, Active
CYK0358

Product Overview

Name	IL-10 Human, Sf9

Description

Interleukin 10 Human Recombinant, Sf9, Active

Accession (Primary)	P22301

Synonyms

Interleukin-10, IL-10, Cytokine synthesis inhibitory factor, CSIF, IL10, GVHDS, IL10A, TGIF, T-Cell Growth Inhibitory Factor.

Introduction

Interleukin 10 or IL-10 or human cytokine synthesis inhibitory factor, is a cytokine (anti-inflammatory). IL10 gene is coding for il-10 In humans. Interleukin 10 has a receptor complex that is built from a couple of IL-10 receptor-1 and a couple of IL-10 receptor-2 proteins. therfore, the whole receptor unit consists of four IL-10 receptor molecules. IL-10 binds the receptor and causes STAT3 signalling through the phosphorylation of the cytoplasmic ends of IL-10 receptor 1 and IL-10 receptor 2 through JAK1 and Tyk2.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The IL-10 solution (0.5mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

SPGQGTQSEN SCTHFPGNLP NMLRDLRDAF SRVKTFFQMK DQLDNLLLKE SLLEDFKGYL GCQALSEMIQ FYLEEVMPQA ENQDPDIKAH VNSLGENLKT LRLRLRRCHR FLPCENKSKA VEQVKNAFNK LQEKGIYKAM SEFDIFINYI EAYMTMKIRN HHHHHH .

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Biological Activity

Measured in a cell proliferation assay using MC/9 mouse mast cells. The ED50 range < 5 ng/ml.

Precautions

IL-10 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P22301)