

32-9036: Recombinant Human Interleukin-10/IL-10 (C-His)

Alternative Name : Interleukin-10; IL-10; Cytokine synthesis inhibitory factor; CSIF; IL10; RP11-262N9.1; IL10A;MGC126450; MGC126451; TGIF

Description

Source : Human 293 Cells;

Interleukin-10 (IL-10), also known as cytokine synthesis inhibitory factor (CSIF), is a secreted protein that belongs to the IL-10 family. IL-10 is secreted by various mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. As a major immune regulatory cytokine, IL-10 has profound anti-inflammatory functions on many cells of the immune system, limiting excessive tissue disruption caused by inflammation. Studies showed that IL-10 provides a feedback loop to limit the effector functions of macrophages and DCs on T cells. Once expressed, IL-10 signals through the IL-10 receptor (IL-10R) to activate STAT3. In addition to elevated levels in parasitic infection, high expression levels of IL-10 are also found in retroviral infections inducing immunodeficiency. The immunosuppressive properties of IL-10 suggest a possible clinical use of IL-10 in suppressing rejections of grafts after organ transplantations.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 um filtered solution of PBS, pH 7.2

Amino Acid : Recombinant Human Interleukin-10 is produced by Human 293 Cells. The target gene encoding Ser19-Asn178 is expressed with a 6His tag at the C-terminus.