

IL-13/NC30, Human, Recombinant

货号: PCK362

产品信息

别名 NC₃₀

物种 Human

表达宿主 E.coli

序列信息 MGPVPPSTALRELIEELVNITQNQKAPLCNGSMVWSINLTAGMYCAALESLI

NVSGCSAIEKTQRMLSGFCPHKVSAGQFSSLHVRDTKIEVAQFVKDLLLHL

KKLFREGRFN with polyhistidine tag at the C-terminus

检索号 P35225.2

分子量 13.28 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect

is<0.8 ng/mL. The specific activity of recombinant human IL-13 is approximately

 $>1 \times 10^6 \text{ IU/mg}$.

产品特性

>95% as determined by SDS-PAGE. Ni-NTA chromatography. 纯度

内毒素 <0.01 EU per 1 µg of the protein by the LAL method.

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution,

> store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1%BSA,10%FBS,5%HSA or 5% trehalose solution),

protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH

8.0.

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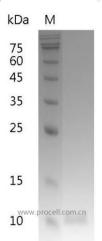
复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μ g/mL.Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Interleukin 13 (IL-13) is a protein that in humans is encoded by the IL13 gene. IL-13 was first cloned in 1993 and is located on chromosome 5q31 with a length of 1.4kb. It has a mass of 13 kDa and folds into 4 alpha helical bundles. The secondary structural features of IL-13 are similar to that of Interleukin 4 (IL-4); however it only has 25% sequence homology to IL-4 and is capable of IL-4 independent signaling. IL-13 is a cytokine secreted by T helper type 2 (Th2) cells, CD4 cells, Natural killer T cell, Mast cell, Basophil cells, Eosinophil cells and Nuocyte cells. Interleukin-13 is a central regulator in IgE synthesis, goblet cell hyperplasia, mucus hypersecretion, airway hyperresponsiveness, fibrosis and chitinase up-regulation. It is a mediator of allergic inflammation and different diseases including asthma.

SDS-PAGE



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