

IL-2/TCGF/Aldesleukin, Human, Recombinant

货号：PCK023

产品信息

别名	T-cell Growth Factor (TCGF), Aldesleukin
物种	Human
表达宿主	E.coli
序列信息	MAPTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKA TELKHLQCLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGSETTF MCEYADETATIVEFLNRWITFCQSIISTLT with polyhistidine tag at the C-terminus.
检索号	P60568.1
分子量	16.4 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce proliferation in CTLL-2 cells. The ED50 for this effect is <0.2 ng/mL. The specific activity of recombinant human IL-2 is approximately >2.5 x 10 ⁷ IU/mg. Measure by its ability to induce proliferation in NK cells. The ED50 for this effect is <46 ng/mL.

产品特性

纯度	>98% as determined by SDS-PAGE. Ni-NTA chromatography
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.



复融

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

背景介绍

Interleukin-2 (IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system. It is a 15,5 - 16 kDa protein that regulates the activities of white blood cells (leukocytes, often lymphocytes) that are responsible for immunity. IL-2 is part of the body's natural response to microbial infection, and in discriminating between foreign ("non-self") and "self". IL-2 mediates its effects by binding to IL-2 receptors, which are expressed by lymphocytes.

SDS-PAGE

