

GM-CSF/CSF2/CSF, Human, Recombinant

货号 : PCK035

产品信息

别名	colony stimulating factor 2, CSF2, CSF
物种	Human
表达宿主	E.coli
序列信息	APARSPSPSTQPWEHVNAIQEARLLNLSRD TAAEMNETVEVISEMFDLQE PTCLQTRLELYKQGLRGLSLTKLKGPLTMMASHYKQHCPPTPETS CATQIITF ESFKENLKDFLLVIPFDCWEPVQE with polyhistidine tag at the N-terminus.
检索号	P04141.1
分子量	15.4 kDa
标签	His-tag at the N-terminus
生物活性	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is <80 pg/mL. The specific activity of recombinant human GM-CSF is approximately >1 x 10 ⁷ IU/mg.

产品特性

纯度	>98% as determined by SDS-PAGE. Ni-NTA chromatography
内毒素	<0.1 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

Granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony-stimulating factor 2 (CSF2), is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, natural killer cells, endothelial cells and fibroblasts that functions as a cytokine. GM-CSF also plays a role in embryonic development by functioning as an embryokine produced by reproductive tract.

SDS-PAGE

