

## 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 | APARSPSPSTQPWEHVNAIQEARLLNLSRDAAEMNETVEVISEMFDLQE<br>PTCLQTRLELYKQGLRGSLTKLKGPLTMMASHYKQHCPPTPETSCATQIITF<br>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 <sup>7</sup> 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 µg/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

