

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 32-7852: Recombinant Rat Granulocyte-Macrophage Colony-Stimulating Factor/GM-CSF(C-6His)

**Gene :** Csf2 **Gene ID :** 116630 **Uniprot ID :** P48750

## **Description**

Source: Human Cells.

MW:15.6kD.

Recombinant Rat Granulocyte-Macrophage Colony-Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Ala18-Lys144 is expressed with a 6His tag at the C-terminus. Granulocyte-Macrophage Colony Stimulating Factor (GM-CSF) was initially characterized as a growth factorthat can support the in vitro colony formation of granulocyte-macrophage progenitors. It is produced by anumber of different cell types (including activated T cells, B cells, macrophages, mast cells, endothelial cellsand fibroblasts) in response to cytokine of immune and inflammatory stimuli. Besides granulocyte-macrophageprogenitors, GM-CSF is also a growth factor for erythroid, megakaryocyte and eosinophil progenitors. Onmature hematopoietic, monocytes/ macrophages and eosinophils. GM-CSF has a functional role on nonhematopoitic cells. It can induce human endothelial cells to migrate and proliferate. Additionally, GM-CSF canalso stimulate the proliferation of a number of tumor cell lines, including osteogenic sarcoma, carcinoma andadenocarcinoma cell lines.

## **Product Info**

**Amount :**  $10 \mu g / 50 \mu g$ 

Content: Lyophilized from a 0.2 µm filtered solution of PBS pH7.4.

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.

**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted

samples are stable at -20°C for 3 months.

Amino Acid: APTRSPNPVTRPWKHVDAIKEALSLLNDMRALENEKNEDVDIISNEFSIQRPTCVQTRLKLYKQGLR

GNLTKLNGALTMIASHYQTNCPPTPETDCEIEVTTFEDFIKNLKGFLFDIPFDCWKPVQKVDHHHHH

Н

## **Application Note**

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\hat{A}\mu g/ml$ . Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin: Less than 0.1 ng/Âμg (1 IEU/Âμg) as determined by LAL test.