

## Active Recombinant Canine GM-CSF

Cat. No. Csf2-94C Lot. No. (See product label)

### SPECIFICATION

|                       |   |
|-----------------------|---|
| <b>Species</b>        | Canine  |
| <b>Source</b>         | Yeast   |
| <b>Description</b>    | Granulocyte-macrophage colony-stimulating factor (GM-CSF) is a protein secreted by macrophages, T cells, mast cells, NK cells, endothelial cells and fibroblasts. GM-CSF stimulates stem cells to produce granulocytes (neutrophils, eosinophils, and basophils) and monocytes. Granulocyte macrophage–colony stimulating factor (GM-CSF) is secreted in response to inflammatory stimuli such as LPS, IL-1, and TNF- $\alpha$ by a variety of different cells, including endothelium, fibroblasts, muscle cells, and macrophages, and by activated T cells. GM-CSF is glycosylated in its mature form. |
| <b>Form</b>           | Lyophilized   |
| <b>Bio-activity</b>   | The biological activity of recombinant canine GM-CSF was measured in a cell proliferation assay using the human TF-1 cell line. The ED50 for this effect is typically 25 - 45 ng/mL.  |
| <b>Molecular Mass</b> | 14.2 kDa  |
| <b>AA Sequence</b>    | APTRSPTLVT RPSQHVDIAIQ EALLLNNSN DVTAVMNKAV KVVSEVFDPE<br>GPTCLETRLQ LYKEGLQGSL TSLKNPLTMM ANHYKQHCPP TPESPCATQN<br>INFKSFKENL KDFLFNIPFD CWKPVKK (127)   |
| <b>Applications</b>   | The GM-CSF protein can be used in cell culture, as a GM-CSF ELISA Standard, and   |

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as a Western Blot Control.

**Storage**

-20 C

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