Active Recombinant Bovine GM-CSF

Cat. No. CSF2-79B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Bovine GM-CSF was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Bovine
Source	Yeast
Description	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-α 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.
Form	Lyophilized
Bio-activity	The biological activity of recombinant bovine GM-CSF was measured in a cell proliferation assay using the human TF-1 cell line. The ED50 for this effect is typically 2.5 - 4.0 ng/mL.
Molecular Mass	14.3 kDa
AA Sequence	APTRPPNTAT RPWQHVDAIK EALSLLNHSS DTDAVMNDTE VVSEKFDSQE PTCLQTRLKL YKNGLQGSLT SLMGSLTMMA THYEKHCPPT PETSCGTQFI

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	SFKNFKEDLK EFLFIIPFDC WEPAQK (126)
Applications	The GM-CSF protein can be used in cell culture, as a GM-CSF ELISA Standard, and as a Western Blot Control.
Storage	-20 C

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