Recombinant Swine CSF2

Cat. No. CSF2-106S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Swine GM-CSF was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Pig
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 without carrier protein.
Molecular Mass	Swine GM-CSF has a predicted molecular weight of 14.4 kDa.
AA Sequence	APTRPPSPVT RPWQHVDAIK EALSLLNNSN DTAAVMNETV DVVCEMFDPQ EPTCVQTRLN LYKQGLRGSL TRLKSPLTLL AKHYEQHCPL TEETSCETQS ITFKSFKDSL NKFLFTIPFD CWGPVKK
Purity	>95% as visualized by SDS-PAGE analysis.

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

Applications	The GM-CSF protein can be used in cell culture, as a GM-CSF ELISA Standard, and as a Western Blot Control.
Storage	Stable for up to twelve months from date of receipt at -20?C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20?C. Avoid repeated freeze/thaw cycles.
Reconstitution	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

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