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32-8521: Recombinant Mouse GM-CSF/CSF2 (C-6His)

Gene : Csf2
Gene ID : 12981
Uniprot ID : P01587

Description

Source: Human Cells.
MW :15.1kD.
Recombinant Mouse Granulocyte-Macrophage Colony-Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Ala18-Lys141 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 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. 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 :	APTRSPITVTRPWKHVEAIKEALNLLDDMPVTLNEEVEVVSNEFSFKKLTCVQTRLKIFEQGLRGNFTKLKGALN MTASYYQTYCPPTPETDCETQVTTYADFIDSLKTFLTDIPFECKKPGQKVDHHHHHH

Application Note

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