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Product Datasheet

Recombinant Human GM-CSF
EBT-EPT108

Article Name	Recombinant Human GM-CSF
Biozol Catalog Number	EBT-EPT108
Supplier Catalog Number	EPT108
Alternative Catalog Number	EBT-EPT108-500
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor is produced by our Yeast expression system and the target gene encoding Ala18-Glu144 is expressed....
Molecular Weight	Molecular weight: 14.4 KDa. Apparent molecular weight: 24-35 KDa, reducing conditions
UniProt	P04141
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: GM-CSF was initially characterized as a growth factor that can support the in vitro colony formation of granulocyte macrophage progenitors. It is produced by a number of different cell types (including activated T cells, B cells, macrophages, mast cells, endothelial cells and fibroblasts) in response to cytokine of immune and inflammatory stimuli. Besides granulocyte-macrophage progenitors, GM-CSF is also a growth factor for erythroid, megakaryocyte and eosinophil progenitors. On mature hematopoietic, monocytes/macrophages, and eosinophils, GM-CSF has also been reported to have a functional role on non-hematopoitic cells. It can induce human endothelial cells to migrate and proliferate. Additionally, GM-CSF can also stimulate the proliferation of a number of tumor cell lines, including osteogenic sarcoma, carcinoma and adenocarcinoma cell lines