

Recombinant human GM-CSF (Active, Tag free)

- Cat. Number:** ck0031
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 18-144aa, Tag free, full length mature protein
- Swiss-Prot:** P04141
- Gene ID:** 1437
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** 15-36kDa
- Endotoxin Level:** <0.5EU/ug
- Formulation:** Lyophilized from a 0.2µm filtered solution in PBS without carrier protein
Animal and Xeno free
- Activity Assay:** The activity was measured by its ability to stimulate the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).
- Reconstitution:** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.
- Stability & Storage:** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -80 °C under sterile conditions after reconstitution.
- Description:** Granulocyte macrophage colony stimulating factor (GM-CSF) is a cytokine initially characterized by its ability to induce colonies of granulocytes and macrophages from myeloid progenitor cells. It is produced in endothelial cells, monocytes, fibroblasts and T lymphocytes. GM-CSF stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.