

## Recombinant human G-CSF (Active,Tag free)

- Cat. Number:** ck0030
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 31-204aa, Tag free, full length mature protein
- Swiss-Prot:** P09919
- Gene ID:** 1440
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** 21-25kDa
- 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 murine M-NFS-60 cells (Mouse Myeloid Leukemia 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 colony stimulating factor (G-CSF) is a hematopoietic growth factor belonging to the CSF family. G-CSF is mainly expressed in monocyte/macrophage lineage. It is also expressed in cells of mesodermal origin, including vascular endothelial cells, fibroblasts, and mesothelial cells. G-CSF acts in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages.

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