

Recombinant Human G-CSF (Granulocyte colony-stimulating factor)

编号:	PY2186	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

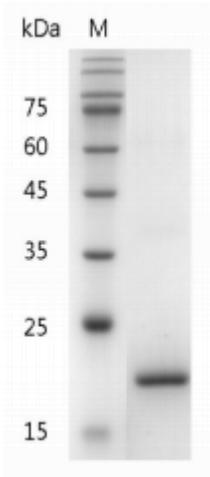
描述: G-CSF is a hematopoietic growth factor. It can activate the progress that committed progenitor cells develop to neutrophils and enhance the functional activities of the mature end-cell. It is secreted in response to specific stimulation by a variety of cells, including bone marrow stroma, macrophages, endothelial cells and fibroblasts. In clinical treatment, G-CSF is used to facilitate hematopoietic recovery after bone marrow transplantation.

来源: *Escherichia coli*
纯度: >98% as determined by SDS-PAGE. Ni-NTA chromatography.

生物学活性: Measure by its ability to induce proliferation in NFS-60 cells. The ED₅₀ for this effect is < 50 pg/mL. The specific activity of recombinant human G-CSF is > 2 x 10⁷ IU/mg.

内毒素检测: <0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列: TPLGPASSLPQSFLKCLEQVRKIQGD
GAALQEKLCA^{TY}KLCHPEELVLLGHSL
GIPWAPLSSCPSQALQLAGCLS^{QL}HS
GLFLYQGLLQA^{LE}GISPELGPTLDTLQL
DVADFATTIWQQMEELGMAPALQPT
QGAMP^{AF}ASAFQRRAGGVLVASHL
QSFLEVS^{YR}VLRLHAQP with
polyhistidine tag at the N-terminus.



SDS- PAGE analysis of recombinant human G- CSF

产品组成

成分：从含有 1X PBS， pH 7.4 溶液中冻干的蛋白质.

产品储存运输

产品形式	储存温度	储存时间
冻干粉	-20℃至-80℃	自收到之日起1年
重悬液（初始）	2℃至8℃	不超过1周
重悬液（经稀释）	-20℃至-80℃	3到6个月

运输方式：蓝冰

产品使用

- 1、开盖前，建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉，溶液浓度不低于100μg /mL，不高于1mg/mL，并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液， 2-8℃无菌保存不超过1周。
- 4、如需长期保存，推荐使用无菌的含载体蛋白（如0.1% BSA、 10% FBS 或5%HSA）的溶液进一步稀释（不低于 10ug/mL）后分装保存， -20℃至-80℃无菌保存3到6个月。无血清实验需求时，可更换为 5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry;
FACS= Fluorescence activated Cell Sorting; FA= Functional Assay