

PRODUCT INFORMATION

G-CSF (Granulocyte colony-stimulating factor), Mouse

Catalog number	C02066-5UG / C02066-20UG / C02066-100UG
Package	5 µg / 20 µg / 100 µg
Description	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.
Source	<i>Escherichia coli</i>
Sequence	VPLVTVSALPPSLPLPRSFLKLSLEQVRKIQASGSVLLLEQLCATYKLCHPEELVLL GHSLGIPKASLSGCSSQALQQTQCLSQLHSGLCCLYQGLLQALSGISPALAPTLDL LQLDVANFATTIWQQMENLGVAPTQPTQSAMPAFTSAFQRRAGGVLAISYLQ GFLETARLALHHLA with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce proliferation in NFS-60 cells. The ED ₅₀ for this effect is <50 pg/mL. The specific activity of recombinant mouse G-CSF is > 2 x 10 ⁷ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse G-CSF

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