

Recombinant Mouse Granulocyte Colony Stimulating Factor (G-CSF)








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

Rev. 1.00

Catalog Number:	PMC2034	PMC2035	PMC2031	PMC2033
Quantity:	10 µg	25 µg	100 µg	1 mg
Lot Number:	See product label.			
Molecular Weight:	19 kDa			
Purity:	>95% as determined by SDS-PAGE analysis.			
Amino Acid Sequence:	VPLVTVSALP PSLPLPRSF LKSLEQVRKI QASGSVLEQ LCATYKLCHP EELVLLGHSL GIPKASLSGC SSQALQQTQC LSQLHSGCL YQGLLQALSG ISPALAPTL D LLQLDVANFA TTIWQQMENL GVAPTVQPTQ SAMPFTSAF QRRAGGVLA I SYLQGFLETA RLALHHLA			
Biological Activity:	ED ₅₀ range = <0.05 ng/mL (Specific Activity: 1.0×10^8 – 3.3×10^7 units/mg), determined by the dose dependent proliferation of mouse NFS-60 cells. The optimal concentration for each specific application should be determined by an initial dose-response assay.			
Formulation:	Lyophilized, carrier free.			
Sterility:	Filtered through a 0.22 micron sterile filter.			
Endotoxin:	<0.1 ng/µg			
Production:	Recombinant mouse G-CSF is produced in <i>E. coli</i> and purified via sequential chromatography.			
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute lyophilized recombinant mouse G-CSF in sterile, distilled water to a concentration of 0.1–1.0 mg/mL. Further dilutions should be made in low endotoxin medium or a buffered solution containing a carrier protein such as heat inactivated FCS or tissue culture grade BSA.			
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.			
Storage:	Store lyophilized recombinant mouse G-CSF at 2°C to 8°C, preferably desiccated. Upon reconstitution, apportion into working aliquots and store at ≤–20°C. Avoid repeated freeze/thaw cycles.			
Expiration Date:	Expires one year from date of receipt when stored as instructed.			
References:	<p>Tsuchiya, M., S. Asano, Y. Kaziro, and S. Nagata (1986) Isolation and characterization of the cDNA for murine granulocyte colony-stimulating factor. <i>Proc. Nat'l. Acad. Sci. USA</i> 83:7633–7637.</p> <p>Suda, T., J. Suda, S. Kajigaya, S. Nagata, S. Asano, M. Saito, and Y. Miura (1987) Effects of recombinant murine granulocyte colony-stimulating factor on granulocyte-macrophage and blast colony formation. <i>Exp. Hematol.</i> 15:958–965.</p> <p>Metcalf, D. (1989) Actions and interactions of G-CSF, LIF, and IL-6 on normal and leukemic murine cells. <i>Leukemia</i> 3:349–355.</p> <p>Kullberg, B., M. Netea, J. Keuter, J. Meis, and J. van der Meer (1998) Recombinant murine granulocyte colony-stimulating factor protects against acute disseminated <i>Candida albicans</i> infection in nonneutropenic mice. <i>J. Infect Dis.</i> 177:175–181.</p>			

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product only to perform internal research for the sole benefit of the purchaser. No right to resell this product or any of its components is conveyed expressly, by implication, or by estoppel. This product is for internal research purposes only and is not for use in commercial applications of any kind, including, without limitation, quality control and commercial services such as reporting the results of purchaser's activities for a fee or other form of consideration. For information on obtaining additional rights, please contact outlicensing@lifetech.com or Out Licensing, Life Technologies, 5791 Van Allen Way, Carlsbad, California 92008.

For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

Manufactured under ISO 13485 Quality Standard

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

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