

Recombinant Rat Granulocyte Colony-Stimulating Factor

#R00315

Size: 10 µg/100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

KKIPLLTVSSLPPSLPLPRSFLLKSLEQVRKIQARNTL
LEQLCATYKLCHPEELVLFGHSLGIPKASLSSCSSQAL
QQTKCLSQQLHSGLFLYQGGLLQALAGISSELAPTLDM
LHLDVDNFATTIWQQMESLGVAPTVQPTQSTMPIFTSA
FQRRAGGVLVTSYLQSFLETAHHALHHLPRPAQKHF
PESLFISI

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Accession	P97712
GeneID	25610
Species	Rat
Source	Escherichia coli.
Molecular Weight	Approximately 21.5 kDa, a single non-glycosylated polypeptide chain containing 195 amino acids.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ determined by a cell proliferation assay using murine NFS-60 cells is less than 0.05 ng/ml, corresponding to a specific activity of > 2.0 × 10 ⁷ IU/mg.
Physical	Sterile Filtered White Lyophilized

Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 5 mM Sodium Citrate, pH 4.0.
Endotoxin	Less than 0.1 EU/µg of rRtG-CSF as determined by LAL method.