

Recombinant Murine Granulocyte Colony-stimulating Factor

#R00240

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

VPLVTVSALPPSLPLPRSFLLKSLEQVRKIQASGSVLL
EQLCATYKLCHPPEELVLLGHSLGIPKASLSGCSSQAL
QQTQCLSQLHSGLCLYQGLLQALSGISPALAPTLDLL
QLDVANFATTIWQQMENLGVAPTVQPTQSAMPAFTS
AFQRRAGGVLAISYLQGFLLETARLALHHLA

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	P09920
GeneID	12985
Species	Murine
Source	Escherichia coli.
Molecular Weight	Approximately 18.9 kDa, a single non-glycosylated polypeptide chain containing 178 amino acids.
Purity	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as 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 Appearance Formulation	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized from a 0.2 µm filtered concentrated solution in 10 mM Sodium Citrate, pH 4.0, 150 mM NaCl, 0.01 % Tween-20.
Endotoxin	Less than 0.1 EU/µg of rMuG-CSF as determined by LAL method.