

Active Recombinant Rat Csf3 protein

Cat. No. Csf3-9291R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Csf3 protein(P97712)(22-214 aa) was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	22-214 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 5 mM Sodium Citrate, pH 4.0.
Bio-activity	Fully biologically active when compared to standard. The ED50 determined by a cell proliferation assay using murine NFS-60 cells is less than 0.05 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^7$ IU/mg.
Molecular Mass	Approximately 21.5 kDa, a single non-glycosylated polypeptide chain containing 195 amino acids.
AASequence	KKIPLLVSS LPPSLPLPRS FLLKSLEQVR KIQARNTTELL EQLCATYKLC HPEELVLFHG SLGIPKASLS SCSSQALQQT KCLSQLHSG LFLYQGLLQAL AGISSELAPT LDMLHLDVDN FATTIWQQME SLGVAPTVPQ TQSTMPIFTS AFQRRAGGVL VTSYLQSFLE TAHHALHHLP RPAQKHFPES LFISI
Endotoxin	Less than 0.1 EU/µg of rRtG-CSF as determined by LAL method.

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Purity	>97% by SDS-PAGE and HPLC analyses.
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.
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.

GENE INFORMATION

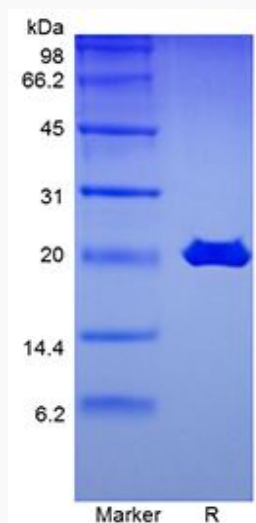
Gene Name	Csf3 colony stimulating factor 3 (granulocyte) [<i>Rattus norvegicus</i>]
Official Symbol	Csf3
Synonyms	CSF3; colony stimulating factor 3 (granulocyte); granulocyte colony-stimulating factor;
Gene ID	25610
mRNA Refseq	NM_017104
Protein Refseq	NP_058800

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SDS-PAGE



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