

Active Recombinant Rat Csf3 Protein

Cat. No. Csf3-188C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Csf3 Protein without tag was expressed in HEK 293.
Species	Rat
Source	HEK293
Description	Among the family of colony-stimulating factors, Granulocyte Colony-Stimulating Factor (G-CSF) is the most potent inducer of terminal differentiation of leukemic myeloid cell lines into granulocytes and macrophages. G-CSF synthesis can be induced by bacterial endotoxins, TNF, Interleukin-1 and GM-CSF. Prostaglandin E2 inhibits G-CSF synthesis. In epithelial, endothelial, and fibroblastic cells, secretion of G-CSF is induced by Interleukin-17.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 5 pg/mL, measured in a cell proliferation assay using NFS-60 cells.
Molecular Mass	25~28 kDa, observed by reducing SDS-PAGE.
AA Sequence	IPLLTVSSLPPSLPLPRSFLKLSLEQVRKIQARNTELLEQLCATYKLCHPEELVLFGHS LGIPKASLSSCSSQALQQTKCLSQLHSGFLYQGLLQALAGISSELAPTLDMLHLDVD NFATTIWQQMESLGVAPTQPTQSTMPIFTSAFQRRAGGVLVTSYLQSFLETAHHAL HHLPRPAQKHFPESLFISI
Endotoxin	< 0.2 EU/μg, determined by LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant Rat Granulocyte Colony-Stimulating Factor (G-CSF) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Rat Granulocyte Colony-Stimulating Factor (G-CSF) should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/mL.

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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