

Active Recombinant Mouse Csf3 Protein

Cat. No. Csf3-280C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Csf3 Protein without tag was expressed in CHO.
Species	Mouse
Source	CHO
Description	Granulocyte Colony-Stimulating Factor (G-CSF), also known as CSF-3 and MGI-1G, is a cytokine and hormone belonging to the IL-6 superfamily. It is expressed by monocytes, macrophages, endothelial cells, fibroblasts and bone marrow stroma. G-CSF stimulates the bone marrow to produce granulocytes and stem cells, and specifically stimulates the proliferation and differentiation of the neutrophilic granulocyte lineage. G-CSF has been used to stimulate white blood cell production after chemotherapy. It has also been used to boost the number of hematopoietic stem cells after bone marrow transplantation.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 0.02 ng/mL, measured in a cell proliferation assay using NFS-60 cells.
Molecular Mass	22-24 kDa, observed by reducing SDS-PAGE.
AA Sequence	VPLVTVSALPPSLPLPRSFLKLSLEQVRKIQASGSVLLLEQLCATYKLCHPEELVLLGH SLGIPKASLSGCSSQALQQTQCLSQLHSGLCCLYQGLLQALSGISPALAPTLDLLQLDV ANFATTIWQQMENLGVAPTQPTQSAMPAFTSAFQRRAGGVLAISYLQGFLETARL ALHHLA

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Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant murine G-CSF remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, murine 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>Mus musculus</i>]
Official Symbol	Csf3
Synonyms	CSF3; colony stimulating factor 3 (granulocyte); granulocyte colony-stimulating factor; Csf3; G-CSF; MGI-IG;
Gene ID	12985
mRNA Refseq	NM_009971
Protein Refseq	NP_034101
UniProt ID	P09920

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