

## Active Recombinant Mouse Csf3 Protein

**Cat. No.** Csf3-047M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse colony stimulating factor 3 (granulocyte) (Csf3) (Val31-Ala208) without tag was expressed in E.coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	31-208 a.a.
<b>Description</b>	Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. This CSF induces granulocytes.
<b>Bio-activity</b>	The ED50 is 0.5 - 3 ng/ml, corresponding to a specific activity of 0.33 - 2.0 x 10 <sup>6</sup> units/mg, determined by M-NFS-60 cell proliferation induced by mouse G-CSF in a dose dependent manner.
<b>Molecular Mass</b>	19 kDa
<b>Endotoxin</b>	Less than 0.01 ng per g protein as determined by the LAL method
<b>Purity</b>	>98%, as determined by Coomassie stained SDS-PAGE.
<b>Stability</b>	Unopened vial can be stored between 2 centigrade and 8 centigrade for up to 2

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weeks, at -20 centigrade for up to 6 months, or at -70 centigrade or below until the expiration date. Aliquots can be stored between 2 centigrade and 8 centigrade for up to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated freeze/thaw cycles.

<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	Protein formulated and vialled at >50 ug/mL in specified buffer
<b>Storage Buffer</b>	1 x PBS

## GENE INFORMATION

<b>Gene Name</b>	Csf3 colony stimulating factor 3 (granulocyte) [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Csf3
<b>Synonyms</b>	Csf3; colony stimulating factor 3 (granulocyte); Csf3g; G-CSF; MGI-IG; granulocyte colony-stimulating factor
<b>Gene ID</b>	12985
<b>mRNA Refseq</b>	NM_009971
<b>Protein Refseq</b>	NP_034101
<b>UniProt ID</b>	P09920

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