

## Product Datasheet

### Recombinant G-CSF, Mouse (orb1494741)

<b>Description</b>	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.
<b>Endotoxins</b>	< 0.2 EU/μg, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant murine G-CSF remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, murine G-CSF should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 μg/ml.
<b>Protein Sequence</b>	VPLVTVSALPPSLPLPRSFLKLSLEQVRKIQASGSVLLQLCATYKLCHPEELVLLGHSLGIPK ASLSGCSSQALQQTQC LSQLHSGLCCLYQGLLQALSGISPALPTDLLQLDVANFATTIWQQMENLGVAPTQVQPTQSA MPAFTSAFQRRAGGVLAISYLQGFLETARLALHHLA
<b>Purity</b>	> 95% as analyzed by SDS-PAGE and HPLC.
<b>Source</b>	CHO
<b>MW</b>	22-24 kDa, observed by reducing SDS-PAGE.
<b>Expiration Date</b>	6 months from date of receipt.

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