Active Recombinant Human CSF3 Protein, Animal Free

Cat. No. CSF3-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSF3 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	Granulocyte colony stimulating factor (G-CSF) is a hematopoietic growth factor belonging to the CSF family. G-CSF is mainly expressed in monocyte/macrophage lineage. It is also expressed in cells of mesodermal origin, including vascular endothelial cells, fibroblasts, and mesothelial cells. G-CSF acts in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages.
Bio-activity	The activity was measured by its ability to stimulate the proliferation of murine M-NFS-60 cells (Mouse Myeloid Leukemia indicator cell line).
Molecular Mass	21-25 kDa
Endotoxin	<0.5 EU/ μg
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8

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	centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS without carrier protein
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name	CSF3 colony stimulating factor 3 [Homo sapiens (human)
Official Symbol	CSF3
Synonyms	CSF3; colony stimulating factor 3; GCSF; CSF3OS; C17orf33; granulocyte colony-stimulating factor; filgrastim; granulocyte-colony stimulating factor; lenograstim; pluripoietin
Gene ID	1440
mRNA Refseq	NM_000759
Protein Refseq	NP_000750
MIM	138970
UniProt ID	P09919

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