

Active GMP Recombinant Mouse Csf3 Protein, His-Tagged

Cat. No. Csf3-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Csf3 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
Description	Enables granulocyte colony-stimulating factor receptor binding activity. Acts upstream of or within positive regulation of myeloid cell differentiation. Predicted to be located in endocytic vesicle lumen and extracellular region. Predicted to be active in extracellular space. Is expressed in several structures, including brain; dorsal aorta; liver; reproductive system; and yolk sac. Human ortholog(s) of this gene implicated in several diseases, including allergic cutaneous vasculitis; artery disease (multiple); ischemia (multiple); leukemia (multiple); and lung disease (multiple). Orthologous to human CSF3 (colony stimulating factor 3).
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in NFS-60 cells. The ED50 for this effect is <50 pg/mL. The specific activity of recombinant mouse G-CSF is > 2 x 10 ⁷ IU/mg.
AA Sequence	VPLVTVSALPPSLPLPRSFLLKSLEQVRKIQASGSVLEQLCATYKLCHPEELVLLGH SLGIPKASLSGCSSQALQQTQCLSQLHSGLCCLYQGLLQALSGISPALAPTLDLLQLDV ANFATTIWQQMENLGVAPTQPTQSAMPAFTSAFQRRAGGVLAISYLQGFLETARL ALHHLA with polyhistidine tag at the N-terminus

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Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis. Purified by Ni-NTA chromatography.
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

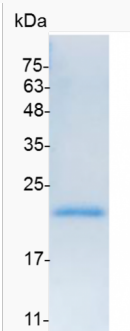
GENE INFORMATION

Gene Name	Csf3 colony stimulating factor 3 (granulocyte) [Mus musculus (house mouse)]
Official Symbol	Csf3
Synonyms	Csfg; G-CSF; MGI-IG
Gene ID	12985
mRNA Refseq	NM_009971.1
Protein Refseq	NP_034101.1
UniProt ID	P09920

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