G-CSF/CSF3 (C-6His), Mouse, Recombinant

Cat. No. : PCK041

General Information

Synonyms	Granulocyte colony-stimulating factor;Csf3;G-CSF
Species	Mouse
Expression host	Human Cells
Sequence	Val31-Ala208
Accession	P09920
Tag	C-6His
Mol mass	19.8 kDa
Expiration date	12 months

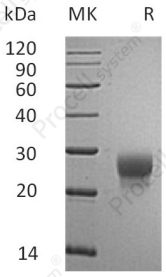
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 10 mM Sodium Citrate, 0.1% Tween 20, pH 3.5.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Granulocyte colony-stimulating factor (G-CSF) is a Growth Factor and an essential Cytokine which belongs to the IL-6 superfamily. 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. G-CSF binding to its Receptor G-CSF-R which belongs to the Cytokine Receptor type I family depends on the interaction of alpha-helical Motifs of the former and two fibronectin type III as well as an immunoglobulin-like domain of the latter. G-CSF is a Cytokine that have been demonstrated to improve cardiac function and perfusion in myocardial infarction. And it was initially evaluated as a stem cell mobilizer and erythropoietin as a cytoprotective agent.

SDS-PAGE



Procell system®