

Product datasheet for **TP727053**

Csf3 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Granulocyte Colony-Stimulating Factor/G-CSF/CSF3(C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Val31-Ala208
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 10mM Sodium Citrate,0.1% Tween 20, pH3.5.
Note:	Recombinant Mouse Granulocyte Colony-Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Val31-Ala208 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	12985
UniProt ID:	P09920
Summary:	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.



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