

## Product datasheet for **TP727070**

### Csf2 Rat Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Rat Granulocyte-Macrophage Colony-Stimulating Factor/GM-CSF(C-6His)
Species:	Rat
Expression cDNA Clone or AA Sequence:	Ala18-Lys144
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Rat Granulocyte-Macrophage Colony-Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Ala18-Lys144 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	116630
UniProt ID:	<a href="#">P48750</a>
Summary:	Granulocyte-Macrophage Colony Stimulating Factor (GM-CSF) was initially characterized as a growth factor that can support the in vitro colony formation of granulocyte-macrophage progenitors. It is produced by a number of different cell types (including activated T cells, B cells, macrophages, mast cells, endothelial cells and fibroblasts) in response to cytokine of immune and inflammatory stimuli. Besides granulocyte-macrophage progenitors, GM-CSF is also a growth factor for erythroid, megakaryocyte and eosinophil progenitors. On mature hematopoietic, monocytes/ macrophages and eosinophils. GM-CSF has a functional role on nonhematopoietic cells. It can induce human endothelial cells to migrate and proliferate. Additionally, GM-CSF can also stimulate the proliferation of a number of tumor cell lines, including osteogenic sarcoma, carcinoma and adenocarcinoma cell lines.



[View online »](#)