

AR50017PU-N**Mouse GM-CSF (18-141) (recombinant) - Purified****Alternate names:**

CSF2, Colony stimulating factor 2, GMCSF, Granulocyte-macrophage colony-stimulating factor, Molgramostin, Sargramostim

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

GM-CSF is a hematopoietic growth factor that stimulates the development of neutrophils and macrophages and promotes the proliferation and development of early erythroid megakaryocytic and eosinophilic progenitor cells. It is produced in by endothelial cells, monocytes, fibroblasts and T-lymphocytes. GM-CSF inhibits neutrophil migration and enhances the functional activity of the mature end-cells. Mouse GM-CSF protein is 125 amino acids and shares approximately 60% homology with the human GM-CSF protein. Recombinant mouse GM-CSF was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer

Uniprot ID:[P01587](#)**NCBI:**[NP_034099](#)**GenelD:**[12981](#)**Species:**

Mouse

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** Phosphate -buffered saline (PBS), pH 7.4, 10% glycerol**Description:****AA Sequence:**MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV VSNEFSFKKL TCVQTRLKIF
EQGLRGNFTK LKGALNMTAS YYQTYCPPTP ETDCEQVTT YADFIDSLKT FLTDIPFECK KPVQK**Molecular weight:** 14 kDa (125 aa), confirmed by MALDI-TOF.**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

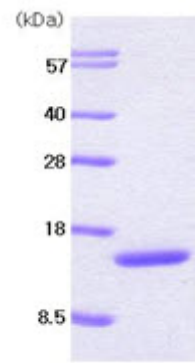
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Fleetwood AJ., et al , (2005). Crit Rev Immunol. 25(5):405-28.Hamilton JA., et al. (2004). Growth Factors. 22(4):225-31.

Pictures:



15% SDS-PAGE (3ug)