

Datasheet for ABIN1880680

GM-CSF Protein (AA 18-144) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	GM-CSF (CSF2)
Protein Characteristics:	AA 18-144
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GM-CSF protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GM-CSF/CSF2 (C-6His, Human Cells)
Sequence:	APARSPSPST QPWEHVNAIQ EARRLLNLSR DTAEMNETV EWISEMFDLQ EPTCLQTRLE LYKQGLRGSL TKLKGPLTMM ASHYKQHCPP TPETSCATQI ITFESFKENL KDFLLVIPFD CWEPVQEVDH HHHHH
Characteristics:	Recombinant Human Granulocyte-macrophage colony-stimulating factor/GM-CSF is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ala18-Glu144) of Human GM-CSF fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	GM-CSF (CSF2)
Alternative Name:	Granulocyte-Macrophage Colony-Stimulating Factor/GM-CSF (CSF2 Products)
Background:	Granulocyte-macrophage colony-stimulating factor is also known as Colony-stimulating factor, CSF, Molgramostin and Sargramostim. In humans, it is encoded by the CSF2 gene. It belongs to the GM-CSF family. Granulocyte-macrophage colony-stimulating factor is a cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.
Molecular Weight:	15.5 kDa
UniProt:	P04141
Pathways:	JAK-STAT Signaling , Cellular Response to Molecule of Bacterial Origin

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.