

Datasheet for ABIN2667426

GM-CSF Protein (AA 18-141)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	GM-CSF (CSF2)
Protein Characteristics:	AA 18-141
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Western Blotting (WB)

Product Details

Purity:	Purity is >98 % , as determined by Coomassie stained SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Endotoxin level is <0.1 EU/µg (<0.01ng/µg) protein as determined by the LAL method.

Target Details

Target:	GM-CSF (CSF2)
Alternative Name:	GM-CSF (CSF2 Products)
Background:	GM-CSF is a hematopoietic factor that is produced by T cells, macrophages, fibroblasts and endothelial cells. This multifunctional cytokine stimulates progenitor cells of neutrophils, eosinophils and macrophages. GM-CSF is also a differentiation and activating factor for granulocytic and monocytic cells.

Target Details

Molecular Weight:	The 125 amino acid N-terminal methionylated recombinant protein has a predicted molecular mass of 14.2 kDaa. The DTT-reduced protein migrates at approximately 13 kDaa and the non-reduced protein migrates at approximately 11kDa by SDS-PAGE.
Pathways:	JAK-STAT Signaling , Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Biological activity: The ED50 is <0.05 ng/ml, corresponding to a specific activity >2x10 ⁷ units/mg.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	For maximum results, quick spin vial prior to opening. The protein can be aliquoted and stored from -20 °C to -70 °C. Stock solutions can also be prepared at 50-100 µg/mL in sterile buffer (PBS, HPBS, DPBS, or EBSS) containing carrier protein such as 0.2-1 % BSA or HSA and stored in working aliquots at -20 °C to -70 °C.
Buffer:	0.22 µm filtered protein solution is in 10 mM NaH ₂ PO ₄ , 150 mM NaCl, pH 7.2.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Unopened vial can be stored between 2°C and 8°C for one month, at -20°C for six months, or at -70°C for one year.