

Datasheet for ABIN6239735

GM-CSF Protein (AA 19-141) (His tag,GST tag)



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1 Image

Overview

Quantity:	50 µg
Target:	GM-CSF (CSF2)
Protein Characteristics:	AA 19-141
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This GM-CSF protein is labelled with His tag,GST tag.
Application:	Cell Culture (CC), Activity Assay (AcA)

Product Details

Characteristics:	Tag location: N-terminal His and GST Tag
Purity:	> 90 %
Biological Activity Comment:	Measured in a cell proliferation assay using mouse BMDC (bone marrow derived dendritic cells). The ED50 (median effective dose) for this effect is less than 0.25 ng/mL. In-house data of APA045Mu01 used in cellular experiment: Six-eight weeks old Balb/c mice were used for BMDC. At first, mouse femur and tibia were taken out, and then bone marrow was washed out with serum-free RPMI 1640 medium, followed by centrifugation at 1200RPM for 5min (4oC). ACK buffer was added to get rid of red blood cells, and then, centrifuged at 1200RPM for 5min (4oC). Cell pellets were collected and re-suspended, the cells were cultured in DMEM medium supplemented with 10% FBS, or DMEM medium supplemented with 10% FBS and GMCSF (APA045Mu01) at 37oC with 5% CO2 in thermostatic incubator. Three days later, cells were observed by microscope, and the result is shown in Figure 1.

Target Details

Target:	GM-CSF (CSF2)
Alternative Name:	Colony Stimulating Factor 2, Granulocyte Macrophage (GMCSF) (CSF2 Products)
Background:	Alternative Names: CSF2, GM-CSF, Sargramostim, Molgramostin, Granulocyte-Macrophage Colony Stimulating Factor
Molecular Weight:	44kDa
UniProt:	P01587
Pathways:	JAK-STAT Signaling , Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	Isoelectric Point: 5.9
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Images

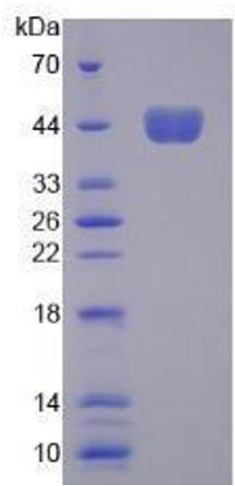


Image 1.