

Colony Stimulating Factor 2, Granulocyte Macrophage (GM-CSF) Active Protein | GM-CSF active protein

Active Colony Stimulating Factor 2, Granulocyte Macrophage (GM-CSF)

CATALOG # AAA152961	HOST E coli	APPLICATIONS Activity Assay, Cell Culture
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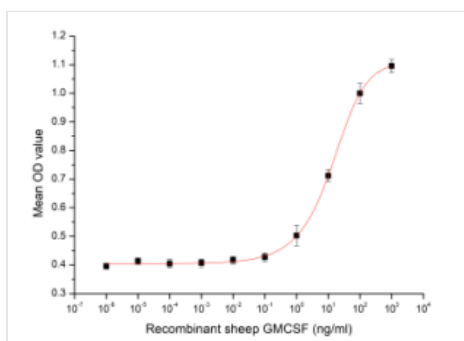
PRODUCT SYNONYMS

Colony Stimulating Factor 2; Granulocyte Macrophage (GM-CSF); Active Colony Stimulating Factor 2; Granulocyte Macrophage; GM-CSF active protein (prokaryotic); Sheep; CSF2; GMCSF; Sargramostim; Molgramostin; Granulocyte-Macrophage Colony Stimulating Factor; GM-CSF active protein

PRODUCT SPECIFICATIONS

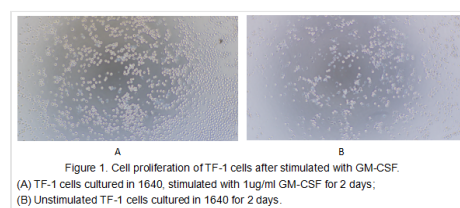
Host	E coli
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Ala18~Lys144
Applicable Applications for GM-CSF active protein	Activity Assay, Cell Culture
Expression System	Prokaryotic expression
Species	Sheep
Tag	N-terminal His and GST
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	5.1
Research Area	Cytokine
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES



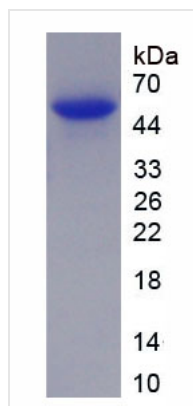
Bioactivity

Figure 2. Cell proliferation of TF-1 cells after stimulated with GM-CSF.



Bioactivity

Granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony-stimulating factor 2 (CSF2), is a monomeric glycoprotein that functions as a cytokine — it is a white blood cell growth factor. GM-CSF also has some effects on mature cells of



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for GM-CSF active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57526773
NCBI GeneID	443400
NCBI Accession #	NP_001009805.1
NCBI GenBank Nucleotide #	NM_001009805.1
UniProt Accession #	P28773
Molecular Weight	16,318 Da
NCBI Official Full Name	granulocyte-macrophage colony-stimulating factor
NCBI Official Symbol	CSF2
NCBI Official Synonym Symbols	GMCSF
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor; CSF; GM-CSF; granulate-macrophage stimulating factor
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	CSF2
UniProt Synonym Gene Names	GM-CSF; CSF
UniProt Entry Name	CSF2_SHEEP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/colony-stimulating-factor-2-granulocyte-macrophage-gm-csf/152961>