

GM-CSF active protein

Human GM-CSF

CATALOG # AAA79214	HOST Insect Cells	REACTIVITY Human
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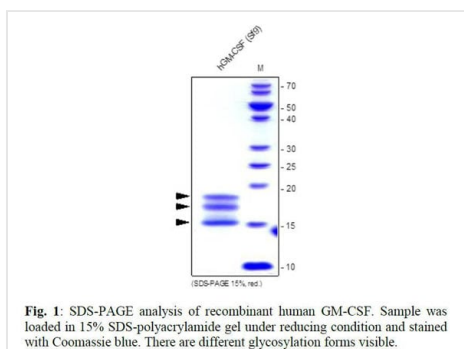
PRODUCT SYNONYMS

GM-CSF; Human GM-CSF; Recombinant Human Granulocyte Macrophage Colony-Stimulating Factor (GM-CSF); Colony-stimulating factor; GM-CSF active protein

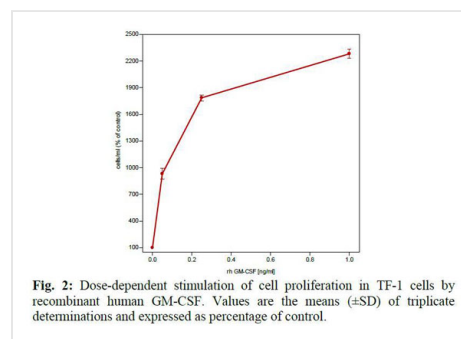
PRODUCT SPECIFICATIONS

Host	Insect Cells
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE & silver stain
Form/Format	Lyophilized
Sequence	N-Terminal Sequence:M APARSPST
Sequence Length	135
N Terminal Sequence	APARSPSPST
Buffer	PBS
Preparation and Storage	The lyophilized powder although stable at room temperature for 3 weeks, is best stored desiccated at -20 degree C. Reconstituted GM-CSF should be stored in working aliquots at -20 degree C. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). Avoid repeated freeze-thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for GM-CSF active protein	ma, carcinoma and adenocarcinoma cell lines. GM-CSF is species specific and human GM-CSF has no biological effects on mouse cells. GM-CSF exerts its biological effects through binding to specific cell surface receptors. The high affinity receptors required for human GM-CSF signal transduction have been shown to be heterodimers consisting of a GM-CSF-specific alpha chain and a common beta chain that is shared by the high-affinity receptors for IL-3 and IL-5.
Product Categories/Family for GM-CSF active protein	Cytokines & Growth Factors

References	1. Martinez-Moczygemba and Huston (2003) J. Allergy Clin Immunol 112:653 2. Barreda et al, (2004) Dev Comp Immunol 28:509 3. Eksioglu et al, (2007) Exp Hematol 35:1163 4. Cao Y, (2007) J Clin Invest 117:2362 5. Fleetwood et al, (2005) Crit Rev Immunol 25:405 6. Diederichs et al, (1991) Science 254:1779 7. Gough et al, (1984) Nature 309:763
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27437030
NCBI GeneID	1437
NCBI Accession #	NP_0000749
NCBI GenBank Nucleotide #	NM_000758
UniProt Accession #	P04141; Q14CE8; Q2VPI8; Q8NFI6
Molecular Weight	~15.0 - 18.0 kDa
NCBI Official Full Name	granulocyte-macrophage colony-stimulating factor
NCBI Official Synonym Full Names	colony stimulating factor 2 (granulocyte-macrophage)
NCBI Official Symbol	CSF2
NCBI Official Synonym Symbols	GMCSF
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor; CSF; molgramostin; sargramostim
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	CSF2
UniProt Synonym Gene Names	GMCSF; GM-CSF; CSF
UniProt Entry Name	CSF2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/insect-cells-human-active-protein/gm-csf/79214>