

GM-CSF (CSF2) Active Protein | GM-CSF active protein

Recombinant Mouse GM-CSF (CSF2)

CATALOG #
AAA214310

HOST
E Coli

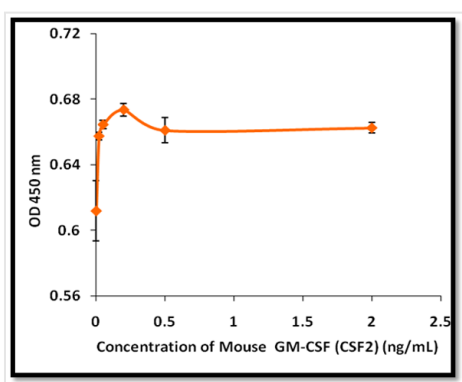
PRODUCT SYNONYMS

GM-CSF (CSF2); Recombinant Mouse GM-CSF (CSF2); GMCSF; Granulocyte-macrophage colony-stimulating factor; CSF2; Recombinant Mouse Granulocyte Macrophage Colony Stimulating Factor (CSF2); GM-CSF active protein

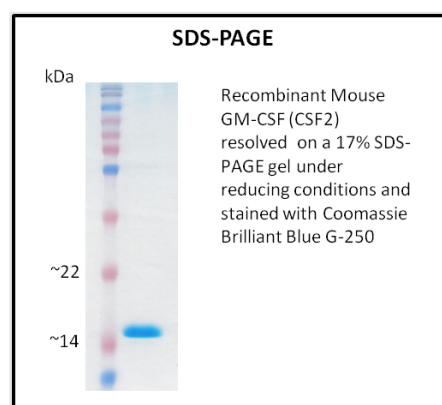
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered solution in Tris, pH 7.5 and NaCl
Sequence Length	141
Bioactivity	The ED50 as determined by the dose-dependent stimulation BaF3 cells was < 0.1 ng/mL
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for GM-CSF active protein	GM-CSF is a monomeric cytokine with two glycosylation sites that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes. CSF2 is secreted together with other factors by T cells and macrophages following cell activation by antigens or mitogens. The signalling GM-CSF:receptor' complex is a dodecamer of two hexamers of two alpha, two beta, and two ligand subunits. While non-glycosylated and glycosylated GM-CSF show similar activities in vitro, fully glycosylated GM-CSF is biologically more active in vivo. Recombinant Mouse CSF2 is a non-glycosylated, monomeric protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110625658
NCBI GeneID	12981
NCBI Accession #	NP_034099.2
NCBI GenBank Nucleotide #	NP_034099.2
UniProt Accession #	P01587
Molecular Weight	14.0 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	CSF; Csfgm; GMCSF; Gm-CSf; MGI-IGM
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	Csf2
UniProt Synonym Gene Names	Csfgm; GM-CSF; CSF
UniProt Entry Name	CSF2_MOUSE

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/e-coli-active-protein/gm-csf-csf2/214310>