

Recombinant Human GM-CSF

Catalog Number: **HZ-1002**

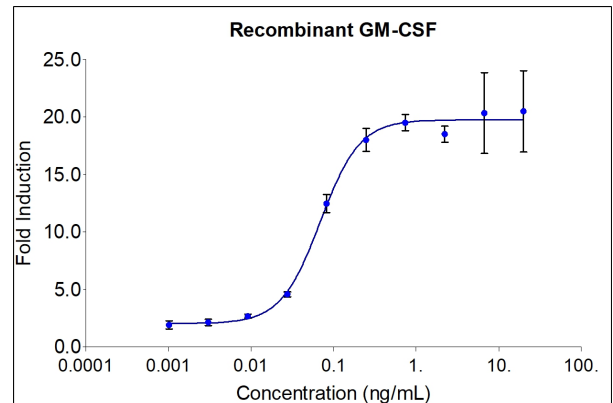
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically ≤ 0.5 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	15 to 36 kDa, monomer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	1437



The activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) using the Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

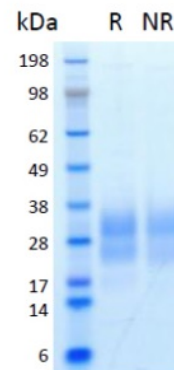
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human GM-CSF is produced in a human cell expression system in serum-free, chemically defined media. It has a demonstrated greater stability under cell culture conditions making it ideal for efficient generation of Human Dendritic Cells. GM-CSF is a hematopoietic growth factor that stimulates the development of early erythroid megakaryocytic and eosinophilic progenitor cells. It is produced in endothelial cells, monocytes, fibroblasts, and T lymphocytes. Recombinant Human GM-CSF is a 15 to 36 kDa globular protein consisting of 128 amino acids, containing two intramolecular disulfide bonds and two potential N-linked glycosylation sites.



The protein was resolved by SDS- polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Synonyms

Colony stimulating factor, CSF, CSF2, GM CSF, GMCSF, Molgramostin, Sargramostim

For technical support and original validation data for this product please contact:

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