Human GM-CSF Protein HA210236



Product name: Species reactivity:	Human GM-CSF Protein Human
Background:	Granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony-stimulating factor 2 (CSF2), is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, natural killer cells, endothelial cells and fibroblasts that functions as a cytokine. The pharmaceutical analogs of naturally occurring GM-CSF are called sargramostim and molgramostim.
Purity:	>95% as determined by Tris-Bis PAGE $>95%$ as determined by HPLC
Endotoxin:	Less than 1EU per μg by the LAL method.
Source:	Recombinant Human GM-CSF Protein is expressed from E.coli without tag. It contains Ala18-Glu144.[Accession P04141]
Formulation:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Storage:	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn



Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

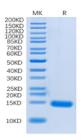


Fig1: Recombinant GM-CSF on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

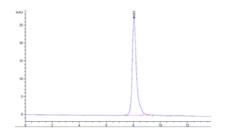


Fig2: The purity of Human GM-CSF is greater than 95% as determined by SEC-HPLC.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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