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Datasheet for ABIN2017889
G-CSF Protein (AA 27-200)

Overview

Quantity:	50 µg
Target:	G-CSF (CSF3)
Protein Characteristics:	AA 27-200
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 0.1 ng/mL, determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells, corresponding to a specific activity of >1 x 10 ⁷ units/mg.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	G-CSF (CSF3)
Alternative Name:	Granulocyte Colony Stimulating Factor (G-CSF) (CSF3 Products)
Background:	Human Granulocyte Colony Stimulating Factor (G-CSF) contains internal disulfide bonds. Among the family of colony-stimulating factors, Granulocyte Colony Stimulating Factor (G-CSF) is the most potent inducer of terminal differentiation to granulocytes and macrophages of leukemic myeloid cell lines. The synthesis of Granulocyte Colony Stimulating Factor (G-CSF)

Target Details

can be induced by bacterial endotoxins, TNF, Interleukin-1 and GM-CSF. Prostaglandin E2 inhibits the synthesis of Granulocyte Colony Stimulating Factor (G-CSF). In epithelial, endothelial, and fibroblastic cells, the secretion of Granulocyte Colony Stimulating Factor (G-CSF) is induced by Interleukin-17.

Synonyms: Granulocyte Colony-Stimulating Factor, CSF-3, MGI-1G, GM-CSF beta, pluripoietin.

Molecular Weight: 18.7kDa, observed by non-reducing SDS-PAGE.

UniProt: [Q8N4W3](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Actin Filament Polymerization](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH2O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant human Granulocyte Colony Stimulating Factor (G-CSF) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rhG-CSF should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months