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Datasheet for ABIN7504341
G-CSF Protein (AA 31-204) (Fc Tag)

Overview

Quantity:	100 µg
Target:	G-CSF (CSF3)
Protein Characteristics:	AA 31-204
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This G-CSF protein is labelled with Fc Tag.

Product Details

Purpose:	Human G-CSF Protein
Sequence:	Thr31-Pro204
Characteristics:	Recombinant Human G-CSF Protein is expressed from HEK293 with hFc tag at the N-terminus. It contains Thr31-Pro204.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	G-CSF (CSF3)
Alternative Name:	G-CSF (CSF3 Products)

Target Details

Background:	Granulocyte colony-stimulating factor (G-CSF) is an hemopoietic growth factor produced by fibroblasts, monocytes and endothelial cells. G-CSF is expressed by numerous cell types including neuronal, immune and endothelial cells. G-CSF is released in autocrine manner and binds to its receptor G-CSF-R which further activates numerous signaling transduction pathways including PI3K/AKT, JAK/STAT and MAP kinase, and thereby promote neuronal survival, proliferation, differentiation, mobilization of hematopoietic stem and progenitor cells.
Molecular Weight:	44.20 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_757373
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Actin Filament Polymerization

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months 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.
Expiry Date:	12 months