

Product datasheet for AR50002PU-N

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OriGene Technologies, Inc.

G-CSF (31-204) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: G-CSF (31-204) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MTPLGPASSL PQSFLLKCLE QVRKIQGDGA ALQEKLCATY KLCHPEELVL LGHSLGIPWA PLSSCPSQAL QLAGCLSQLH SGLFLYQGLL QALEGISPEL GPTLDTLQLD VADFATTIWQ

QMEELGMAPA LQPTQGAMPA FASAFQRRAG GVLVASHLQS FLEVSYRVLR HLAQP

Predicted MW: 18.8 kDa

Concentration: lot specific

Purity: >95% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: Phosphate -buffered Saline (PBS), pH 7.4, 10% Glycerol

Biological: Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous

leukemia lymphoblast cells. The ED50 for this effect is less than or equal to 0.3 ng/ml.

Endotoxin: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Preparation: Liquid purified protein

Protein Description: Recombinant Human G-CSF was expressed in E.coli and purified by FPLC gel-filtration

chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 000750

 Locus ID:
 1440

 UniProt ID:
 P09919

 Cytogenetics:
 17q21.1

Synonyms: CSF3, GCSF, Pluripoietin, C17orf33





Summary: This gene encodes a member of the IL-6 superfamily of cytokines. The encoded cytokine

controls the production, differentiation, and function of granulocytes. Granulocytes are a type of white blood cell that are part of the innate immune response. A modified form of this protein is commonly administered to manage chemotherapy-induced neutropenia. Alternatively spliced transcript variants have been described for this gene. [provided by

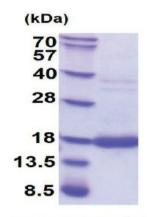
RefSeq, May 2020]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling

pathway

Product images:



15% SDS-PAGE (3ug)