

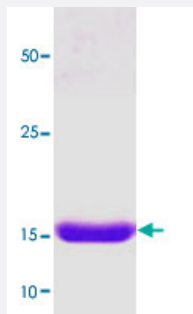
Bioactive

CSF3 (Human) Recombinant Protein

Catalog # P3449

Size 50 ug

Applications



Specification

Product Description	Human CSF3 (NP_757373, 31 a.a. - 204 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MTPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKLCA ^{TY} KLCHPEELVLLGHSLGIPWAPLSSC PSQALQLAGCLS ^{QL} HSGLFLYQGLLQALEGISPELGPTLDTLQLDVADFATTWQQMEELGMAPA LQPTQGAMPAFASAFQRRAGGVLVASHLQSFLEVSYRVLRHLAQP
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	18.8
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Conventional Chromatography
Concentration	0.5 mg/mL
Purity	> 95% by SDS-PAGE
Activity	The proliferative activity of rhG-CSF is tested in culture using mouse bone marrow cells.
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE

Storage Buffer

In PBS, pH 7.4 (10% glycerol).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CSF3

Entrez GeneID[1440](#)**Protein Accession#**[NP_757373](#)**Gene Name**

CSF3

Gene Alias

G-CSF, GCSF, MGC45931

Gene Description

colony stimulating factor 3 (granulocyte)

Omim ID[138970](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes. The active protein is found extracellularly. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000164327|colony stimulating factor 3|filgrastim|granulocyte colony stimulating factor|lenograstim|pluripoietin

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Infant](#)
- [Inflammation](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Neovascularization](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Urinary Bladder Neoplasms](#)

- [Werner syndrome](#)