# CSF3 (Human) Recombinant Protein

Catalog # P8704 Size 2 x 10 ug

## Specification

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|---|---|
| **Product Description** | Human CSF3 partial recombinant protein with His tag expressed in *Escherichia coli*. |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 23.19 |
| **Form** | Liquid |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purification** | chromatographic |
| **Purity** | > 95% as determined by (a) RP-HPLC.(b) SDS-PAGE. |
| **Storage Buffer** | Solution containing 1X PBS, 50% glycerol. |
| **Storage Instruction** | Store at 4°C for 2-4 weeks and should be stored at -20°C to -80°C.<br>Avoid repeated freeze/thaw cycles. |

## Applications

- SDS-PAGE

## Gene Info — CSF3

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|---|---|
| **Entrez GeneID** | 1440 |
| **Protein Accession#** | P09919 |
| **Gene Name** | CSF3 |
| **Gene Alias** | G-CSF, GCSF, MGC45931 |

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|---|---|
| **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 fun ction 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 facto r\|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

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- 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

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