

## G-CSF (CSF3) Active Protein | G-CSF active protein

Recombinant Human G-CSF (CSF3)

CATALOG #  
**AAA214220**

HOST  
**E Coli**

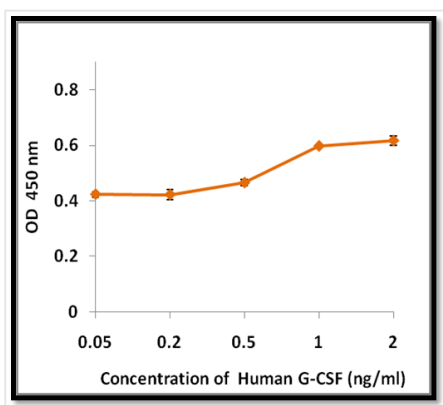
### PRODUCT SYNONYMS

G-CSF (CSF3); Recombinant Human G-CSF (CSF3); GCSF; CSF-3; MGI-1G; Pluripoietin; Human Granulocyte Colony Stimulating Factor (CSF3); G-CSF active protein

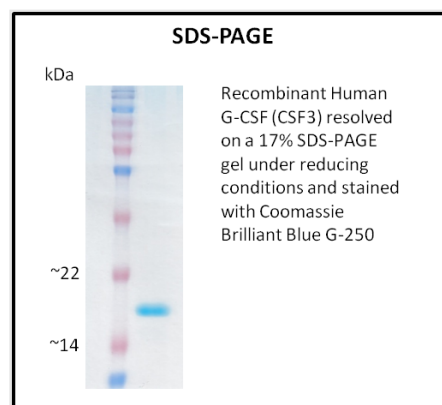
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                              |
| Purity/Purification     | >95% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                      |
| Form/Format             | Lyophilized from a 0.2 um filtered solution in Tris and NaCl (pH 7.5)                                                                                                                                                                                                                                                               |
| Sequence Length         | 168                                                                                                                                                                                                                                                                                                                                 |
| Bioactivity             | The ED50 as determined by the dose-dependent proliferation of neuroblastoma cell line was found to be <=5ng/ml                                                                                                                                                                                                                      |
| Endotoxin Level         | <1.0 EU/ug of recombinant protein as determined by the LAL method                                                                                                                                                                                                                                                                   |
| Reconstitution          | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.                                                                                                                                                            |
| Preparation and Storage | The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |

### IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for G-CSF active protein | G-CSF is secreted by monocytes, macrophages, and neutrophils after cell activation. It is also produced by stromal cells, fibroblasts, endothelial cells, epithelial carcinomas, acute myeloid leukemia cells, and various tumor cell lines. The synthesis of G-CSF can be induced by bacterial endotoxins, TNF, IL1 and GM-CSF. Comparison of the primary sequence of G-CSF with those of GM-CSF and M-CSF, shows that the three factors are not related to each other. Murine and human G-CSF share a sequence homology (protein) of approximately 70% and exhibit cross reactivity. G-CSF stimulates the proliferation and differentiation of hematopoietic progenitor cells committed to the neutrophils and granulocytes lineage in a dose-dependent manner. |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 296011057                                       |
| NCBI GeneID                      | 1440                                            |
| NCBI Accession #                 | NP_001171618.1                                  |
| NCBI GenBank Nucleotide #        | NP_001171618.1                                  |
| UniProt Accession #              | P09919                                          |
| Molecular Weight                 | 19.0 kDa                                        |
| NCBI Official Full Name          | granulocyte colony-stimulating factor isoform d |
| NCBI Official Synonym Full Names | colony stimulating factor 3                     |
| NCBI Official Symbol             | CSF3                                            |
| NCBI Official Synonym Symbols    | GCSF; CSF3OS; C17orf33                          |
| NCBI Protein Information         | granulocyte colony-stimulating factor           |
| UniProt Protein Name             | Granulocyte colony-stimulating factor           |
| UniProt Gene Name                | CSF3                                            |
| UniProt Synonym Gene Names       | C17orf33; GCSF; G-CSF                           |
| UniProt Entry Name               | CSF3_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/g-csf-csf3/214220>