

## Recombinant Mouse G-CSF Protein

| Catalog #                 | Source   | Reactivity | Applications        |
|---------------------------|--|------------|---------------------|
| CRP2972                   | Human cells  | Mouse      | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Mouse G-CSF Protein is produced by mammalian expression system and the target gene encoding Val31-Ala208 is expressed with a 6His tag at the C-terminus.   |            |                     |
| <b>Form</b>               | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.   |            |                     |
| <b>Gene Symbol</b>        | CSF3   |            |                     |
| <b>Alternative Names</b>  | C17orf33; GCSF; Granulocyte colony-stimulating factor; G-CSF; Pluripoietin; Filgrastim; Lenograstim  |            |                     |
| <b>Entrez Gene</b>        | 12985 (Mouse)  |            |                     |
| <b>SwissProt</b>          | P09920 (Mouse)   |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.   |            |                     |
| <b>Chemical Structure</b> | VPLVTVSALP PSLPLPRSFL LKSLEQVRKI QASGSVLEEQ LCATYKLCHP EELVLLGHSL<br>GIPKASLSGC SSQALQQTQC LSQLHSGLCL YQGLLQALSG ISPALAPTLTLLQLDVANFA<br>TTIWQQMENL GVAPTVQPTQ SAMPFTSAF QRRAGGVLAISYLQGFLETA RLALHHLAHH<br>HHHH   |            |                     |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.   |            |                     |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |            |                     |
| <b>Storage/Stability</b>  | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.  |            |                     |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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