

# Active GMP Recombinant Rat Csf1 protein

**Cat. No.** Csf1-387RG    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GMP Recombinant Rat Csf1 protein(NP_076471.3)(160 aa), fused with His Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines. |
| <b>Species</b>          | Rat                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                               |
| <b>ProteinLength</b>    | DNA sequence encoding Rat M-CSF(NP_076471.3) was expressed with His tag at the C-terminal.                                                                                           |
| <b>Form</b>             | Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.                                                                                                                  |
| <b>Bio-activity</b>     | $\geq 2 \times 10^5$ IU/mg                                                                                                                                                           |
| <b>Molecular Mass</b>   | Recombinant Rat M-CSF contains 160 aa. It has a predicted MW of 18.8kDa.                                                                                                             |
| <b>Endotoxin</b>        | $\leq 0.01$ EU/ug                                                                                                                                                                    |
| <b>Purity</b>           | $\geq 95\%$ by SDS-PAGE and HPLC                                                                                                                                                     |
| <b>Storage</b>          | The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing               |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [Csf1 colony stimulating factor 1 \(macrophage\) \[ Rattus norvegicus \]](#)

**Official Symbol** [Csf1](#)

**Synonyms** CSF-1; MGI-IM

**Gene ID** [78965](#)

**mRNA Refseq** [NM\\_023981](#)

**Protein Refseq** [NP\\_076471](#)

**UniProt ID** [Q8JZQ0](#)

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