

## Active Recombinant Rat Csf2 protein(Ala18-Lys144), hFc-tagged

**Cat. No.** Csf2-553R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat CSF2 (P48750) (Ala18-Lys144) was expressed in HEK293 with Fc region of Human IgG1 at the N-terminus.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala18-Lys144
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured in a cell proliferation assay using FDC-P1 cells. The ED50 for this effect is typically 1-5 ng/mL.
<b>Molecular Mass</b>	The recombinant rat CSF2 comprises 387 amino acids and predicts a molecular mass of 43 kDa. The apparent molecular mass of the recombinant protein is approximately 43-47 and 36 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

 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



Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name**

Csf2 colony stimulating factor 2 (granulocyte-macrophage) [ Rattus norvegicus ]

**Official Symbol**

Csf2

**Synonyms**

CSF2; colony stimulating factor 2 (granulocyte-macrophage); granulocyte-macrophage colony-stimulating factor; CSF; colony-stimulating factor; Gmcsf; Gm-csf;

**Gene ID**

116630

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