Recombinant Rat Csf2 Protein, His-tagged

Cat. No. Csf2-1285R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Csf2 Protein (Ala18-Lys144) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala18-Lys144
Description	Enables cytokine activity. Involved in several processes, including cellular response to lipopolysaccharide; macrophage activation; and response to silicon dioxide. Located in extracellular space. Used to study Parkinsonism and myocardial infarction. Biomarker of abdominal aortic aneurysm; interstitial cystitis; and lung disease (multiple). Human ortholog(s) of this gene implicated in acute myeloid leukemia; juvenile myelomonocytic leukemia; neutropenia; pulmonary alveolar proteinosis; and visceral leishmaniasis. Orthologous to human CSF2 (colony stimulating factor 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.5 kDa Accurate Molecular Mass: 45 kDa
Purity	> 95%
Applications	Cell culture; Activity Assays.

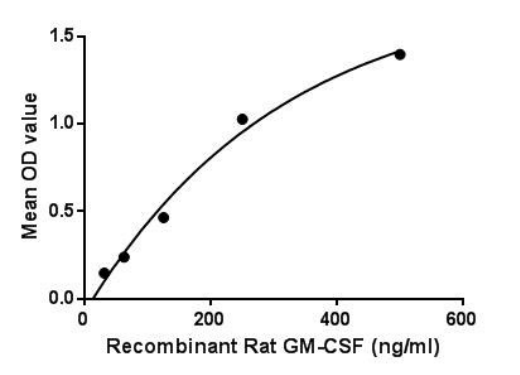
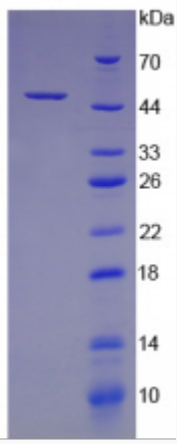
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Csf2 colony stimulating factor 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Csf2
Synonyms	Csf2; colony stimulating factor 2; Gmcsf; Gm-csf; granulocyte-macrophage colony-stimulating factor; CSF; colony stimulating factor 2 (granulocyte-macrophage); colony-stimulating factor
Gene ID	116630
mRNA Refseq	NM_053852
Protein Refseq	NP_446304
UniProt ID	P48750

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

The binding activity of GM-CSF with CSF2Ra.	
	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA