

Recombinant Rat CSF2 protein(Ala18-Lys144), His-tagged

Cat. No. CSF2-294R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CSF2 (P48750) (Ala18-Lys144) was expressed in HEK293 with a polyhistidine tag at the N-terminus.
Species	Rat
Source	HEK293
ProteinLength	18-144 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using FDC-P1 cells. The ED50 for this effect is typically 0.02-0.1 ng/mL.
Molecular Mass	The recombinant rat CSF2 comprises 147 amino acids and has a predicted molecular mass of 16.9 kDa. The apparent molecular mass of the protein is approximately 23 and 20 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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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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