

Active Recombinant Human CSF1 Protein, His-tagged

Cat. No. CSF1-426H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CSF1 (NP_757349.1) (Glu33-Asn190) was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	Yeast
ProteinLength	33-190 a.a.
Predicted N Terminal	Glu 33
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured in a cell proliferation assay using M ¹ NFS ² 60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is typically 1-4 ng/mL.
Molecular Mass	The recombinant human CSF1 consists 168 amino acids and predicts a molecular mass of 19.8 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>(45.8+27.8+25.7) % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

 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

Storage	Store it under sterile conditions at -20°C~-70°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 0.25 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) [Homo sapiens]
Official Symbol	CSF1
Synonyms	CSF1; colony stimulating factor 1 (macrophage); macrophage colony-stimulating factor 1; M CSF; MCSF; MGC31930; lanimostim; CSF-1;
Gene ID	1435
mRNA Refseq	NM_000757
Protein Refseq	NP_000748
MIM	120420
UniProt ID	P09603
Chromosome Location	1p21-p13
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response, organism-specific biosystem; Hematopoietic cell lineage, organism-

 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



specific biosystem; Hematopoietic cell lineage, conserved biosystem; Integrins in angiogenesis, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem;

 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