

Active Recombinant Human CSF3R

Cat. No. CSF3R-9295H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSF3R was expressed in CHO Cells.
Species	Human
Source	CHO
Description	Human Granulocyte Colony Stimulating Factor (G-CSF) contains internal disulfide bonds. Among the family of colony-stimulating factors, Granulocyte Colony Stimulating Factor (G-CSF) is the most potent inducer of terminal differentiation to granulocytes and macrophages of leukemic myeloid cell lines. The synthesis of Granulocyte Colony Stimulating Factor (G-CSF) can be induced by bacterial endotoxins, TNF, Interleukin-1 and GM-CSF. Prostaglandin E2 inhibits the synthesis of Granulocyte Colony Stimulating Factor (G-CSF). In epithelial, endothelial, and fibroblastic cells, the secretion of Granulocyte Colony Stimulating Factor (G-CSF) is induced by Interleukin-17.
Form	Lyophilized after extensive dialysis against PBS.
Bio-activity	ED50 < 0.1 ng/ml, determined by the dose-dependent stimulation of the proliferation of murine m-nfs-60 cells, corresponding to a specific activity of > 1 x 10 ⁷ units/mg.
Molecular Mass	18.7kDa, observed by non-reducing SDS-PAGE.
AA Sequence	Thr27-Pro200.

 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

Endotoxin	<0.2 eu/μg,="" determined="" by="" lal="">
Purity	>95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant protein remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rhG-CSF should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/ml.

GENE INFORMATION

Gene Name	CSF3R colony stimulating factor 3 receptor (granulocyte) [Homo sapiens]
Official Symbol	CSF3R
Synonyms	CSF3R; colony stimulating factor 3 receptor (granulocyte); CD114; granulocyte colony-stimulating factor receptor; GCSFR; G-CSF-R; CD114 antigen; G-CSF receptor;
Gene ID	1441
mRNA Refseq	NM_000760
Protein Refseq	NP_000751
MIM	138971
UniProt ID	Q99062
Chromosome	1p35-p34.3

 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

Location	
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Pathways in cancer, organism-specific biosystem;
Function	cytokine receptor activity; receptor activity;

 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