

## Active Recombinant Human Fas (TNF receptor superfamily, member 6)

Cat. No. CSF3R-3815H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the extracellular domain (Met 1-Pro 621) of human CSF3R (NP_000751.1) precursor was expressed with the fused Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	Human
<b>ProteinLength</b>	1-621 a.a.
<b>Description</b>	CSF3R which belongs to the cytokine receptor superfamily, is a cell surface receptor for colony stimulating factor 3, a cytokine that plays a critical role in the regulation of the activation, proliferation, differentiation, and survival of the neutrophilic granulocyte lineage.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Bio-activity</b>	Measured by its ability to inhibit the GCSF-induced proliferation of NFS-60 mouse myeloid cells. The ED50 for this effect is typically 1-4 ng/ml in the presence of 0.125 ng/mL of recombinant human GCSF.

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<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Predicted N terminal</b>	Glu 25
<b>Molecular Mass</b>	The mature recombinant human CSF3R is a disulfide-linked homodimeric protein. The reduced monomer consists of 835 amino acids and predicts a molecular mass of 93.3 KDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rh CSF3R monomer is approximately 120-130 KDa due to glycosylation.
<b>Storage</b>	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

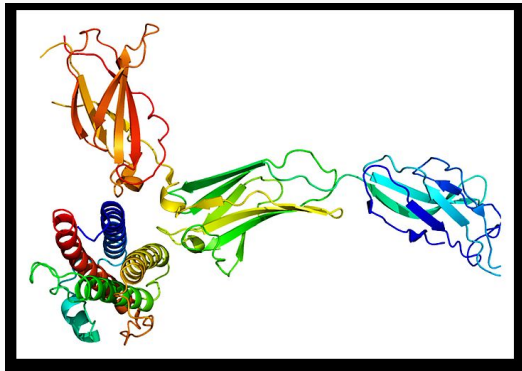
## GENE INFORMATION

<b>Gene Name</b>	CSF3R colony stimulating factor 3 receptor (granulocyte) [ Homo sapiens ]
<b>Official Symbol</b>	CSF3R
<b>Synonyms</b>	CSF3R; colony stimulating factor 3 receptor (granulocyte); CD114; GCSFR; granulocyte colony-stimulating factor receptor; G-CSF-R; CD114 antigen; G-CSF receptor; OTTHUMP00000009703; OTTHUMP00000009704; OTTHUMP00000009705
<b>Gene ID</b>	1441
<b>mRNA Refseq</b>	NM_000760
<b>Protein Refseq</b>	NP_000751

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<b>MIM</b>	138971
<b>UniProt ID</b>	Q99062
<b>Chromosome Location</b>	1p35-p34
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Jak-STAT signaling pathway; Pathways in cancer
<b>Function</b>	cytokine receptor activity; receptor activity
<b>PDB rendering based on 2d9q</b>	

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