

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
ProteinLength	1-621 a.a.
Description	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.
Form	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.
Purity	> 95 % as determined by SDS-PAGE
Bio-activity	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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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Predicted N terminal	Glu 25
Molecular Mass	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.
Storage	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

Gene Name	CSF3R colony stimulating factor 3 receptor (granulocyte) [Homo sapiens]
Official Symbol	CSF3R
Synonyms	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
Gene ID	1441
mRNA Refseq	NM_000760
Protein Refseq	NP_000751

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