

Recombinant Human CSF3R, Fc-tagged

Cat. No. CSF3R-27467TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 25-621 of Human GCSF Receptor fused to the Fc region of human IgG1 (aa 90-330) expressed in modified human 293 cells.
Species	Human
ProteinLength	25-621 a.a.
Description	The protein encoded by this gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Alternatively spliced transcript variants have been described. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia.
Conjugation	Fc
Tissue specificity	One or several isoforms have been found in myelogenous leukemia cell line KG-1, leukemia U937 cell line, in bone marrow cells, placenta, and peripheral blood granulocytes. Isoform GCSFR-2 is found only in leukemia U937 cells. Isoform GSCFR-3 is highly exp
Biological activity	The ED50 of CSF3R-27467TH is typically 2-3 ng/ml as measured by its ability to neutralize GCSF mediated proliferation of the murine myeloblastic m-NFS-60 cell line.

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Form	Lyophilised: It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not reco
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Trehalose, 1% Human serum albumin
Storage	Store at +4°C.
Sequences of amino acids	Theoretical Sequence: ECGHISVSAPIVHLGDPITASCIKQNC SHLDPEPQIL WRLGA ELQPGGRQQR LSGDTQESIITLPHLNHTQAFLS CCLNWGNSLQILDQVELRAGYPP AIPHNLSCLMNLTTSLICQWEPGPETHLPTSFTLKSFKSRGNCQTQGDSILD CVPK DGQSHCCIPRKHLLLYQNMGIWVQAENALGTSMSPQLCLDPM DVVKLEPPMLRTM DPSPEAAPPQAGCLQLCWE PWQPGLHINQKCELRHKPQRGEASWALVGPLPLEAL QY ELCGLLPATAYTLQIRCIRWPLPGHWSDWSPSLELRTT ERAPTVRLDTWWRQR QLDPRTVQLFWKPVPLEEDSGRI QGYVVS WRPSGQAGAILPLCNTTEL SCTFHLPSEAQ E VALVAYNSAGTSRPTPVVFSES RGPALTRLHAMARDPHSLW VGWEPPNPWPQGYVIEWGLGPPSASNSNKTWRMEQNGR ATGFLLKENIRPFQLYEII VTPPLYQDT MGPSQH VYAYS QEMAPSHAPELHLKHIGKTWAQLEWVPEPPELGKSPLT HYTIFW TNAQNQSFSAILNASSRGFVLHGLEPASLYHIHLMAASQAGATNSTVLTLMTLTPRS SNTKVDKKVEPKSCD KTHTCPPCPAPELLGGPSVFLFPPKPKD TLMISRTPEV TCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN STYRVVSVLTVLHQDWLNG KEYKCKVSNKALPAPIEKT ISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFY PSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVD KSRWQQGNV FSCSVM HEALHNHYTQKSLSLSPGK
Sequence Similarities	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 5 fibronectin type-III domains. Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

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;
Gene ID	1441
mRNA Refseq	NM_000760
Protein Refseq	NP_000751
MIM	138971
Uniprot ID	Q99062
Chromosome Location	1p35-p34.3
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;
Function	cytokine receptor activity; receptor activity;

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