

Recombinant Human CSF3R Protein, Glu25-Pro621

Cat. No. CSF3R-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSF3R Protein (Glu25-Pro621) without tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	Glu25-Pro621
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.
Bio-activity	Measured by its ability to inhibit the G-CSF-induced proliferation of NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is 1-4 µg/mL in the presence of 0.125 ng/mL of recombinant human G-CSF.
Molecular Mass	Predicted Molecular Mass 66.5 kDa SDS-PAGE 95-105 kDa, reducing conditions
Endotoxin	<0.01 EU/µg of the protein by the LAL method.

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Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
N-terminal Sequence Analysis	Glu25
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	CSF3R colony stimulating factor 3 receptor (granulocyte) [Homo sapiens (human)]
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

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Protein Refseq NP_000751

MIM 138971

UniProt ID Q99062

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