

## Recombinant Human CSF3R Protein, His-tagged

Cat. No. CSF3R-259H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CSF3R protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	836
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	69 kDa
<b>AA Sequence</b>	MARLGNCSLTWAALIILLPGSLEECGHISVSAPIVHLGDPITASCIKQNCSHLDPEPQ ILWRLGAELQPGGRQQRRLSDGTQESIITLPHLNHTQAFLSCCLNWNLSLQILDQVEL RAGYPPAIPHNLSCLMNLTTSSLICQWEPGPETHLPTSFTLKSFKSRGNCQTQGDSI LDCVPKDGQSHCCIPRKHLLLYQNMGIWVQAENALGTSMSPLCLDPM DVVKLEPP MLRTMDPSPEAAPPQAGCLQLCWEPWQPGLHINQKCELRHKPQRGEASWALVGP LPLEALQYELCGLLPATAYTLQIRCIRWPLPGHWSDWSPSLELRTERAPT VRLDTW

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WRQRQLDPRTVQLFWKPVPLEEDSGRIQGYVVSWRPSGQAGAILPLCNTTELSCTF  
 HLPSEAEVALVAYNSAGTSRPTPVVFSERGPALTRLHAMARDPHSLWVGWEPP  
 NPWPQGYVIEWWGLGPPSASNSNKTWRMEQNGRATGFLLKENIRPFQLYEIIVTPLY  
 QDTMGPSQHVYAYSQEMAPSHAPELHLKHIGKTWAQLEWVPEPPELGKSPLTHYTI  
 FWTNAQNQSFSAILNASSRGFVLHGLEPASLYHIHLMAASQAGATNSTVLTLMTLTP  
 EGSELHIILGLFGLLLLLTCLCGTAWLCCSPNRKNPLWPSVPDPAHSSLGSWVPTIM  
 EEDAFQLPGLGTPPITKLTVLEEDEKKVPWESHNSSETCGLPTLVQTYVLQGDRA  
 VSTQPQSQSGTSDQVLYGQLLGSPTSPGPGHYLRCDSTQPLLGLTPSPKSYENL  
 WFQASPLGTLVTPAPSQEDDCVFGPLLNFPLLQGIRVHGMEALGSF

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

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<b>Gene Name</b>	CSF3R colony stimulating factor 3 receptor (granulocyte) [ Homo sapiens (human) ]
<b>Official Symbol</b>	CSF3R
<b>Synonyms</b>	CSF3R; colony stimulating factor 3 receptor (granulocyte); CD114; granulocyte colony-stimulating factor receptor; GCSFR; G-CSF-R; CD114 antigen; G-CSF receptor;
<b>Gene ID</b>	1441
<b>mRNA Refseq</b>	NM_000760
<b>Protein Refseq</b>	NP_000751
<b>MIM</b>	138971
<b>UniProt ID</b>	Q99062

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