

Recombinant Human CSF3R Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human CSF3R protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	836
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.
Form	Lyophilized
Molecular Mass	69 kDa
AA Sequence	MARLGNCSLTWAALIILLPGSLEECGHISVSAPIVHLGDPITASCIKQNCSHLDPEPQ ILWRLGAELQPGGRQQRLSDGTQESIITLPHLNHTQAFLSCCLNWGNSLQILDQVEL RAGYPPAIPHNLSCLMNLTTSSLICQWEPGPETHLPTSFTLKSFKSRGNCQTQGDSI LDCVPKDGQSHCCIPRKHLLLYQNMGIWVQAENALGTSMSPQLCLDPMDVVKLEPP MLRTMDPSPEAAPPQAGCLQLCWEPWQPGLHINQKCELRHKPQRGEASWALVGP LPLEALQYELCGLLPATAYTLQIRCIRWPLPGHWSDWSPSLELRITTERAPT VRLDTW

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WRQRQLDPRTVQLFWKPVPLEEDSGRIQGYVVSWRPSGQAGAILPLCNTTELSCF
 HLPSEAQEQVALVAYNSAGTSRPTPVVFSESRGPALTRLHAMARDPHSLWVGWEPP
 NPWPQGYVIEWWGLGPPSASNSNKTWRMEQNGRATGFLLKENIRPFQLYEIIVTPLY
 QDTMGPSQHVYAYSQEMAPSHAPELHLKHIGKTWAQLEWVPEPPELGKSPLTHYTI
 FWTNAQNQSFSAILNASSRGFVLHGLEPASLYHIHLMAASQAGATNSTVLTLMTLTP
 EGSELHIILGLFGLLLLLLTCLCGTAWLCCSPNRKNPLWPSVPDPAHSSLGSWVPTIM
 EEDAFQLPGLGTPPITKLTVLEEDEKKPVPWESHNSSETCGLPTLVQTYVLQGDPA
 VSTQPQSQSGTSDQVLYGQLLGSPTSPGPGHYLRCDSTQPLLAGLTPSPKSYENL
 WFQASPLGLTVTPAPSQEDDCVFGPLLNFPLLQGIRVHGMEALGSF

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 ₂ 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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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
Protein Refseq	NP_000751
MIM	138971
UniProt ID	Q99062

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