

## Recombinant Active Human CSF3R Protein (ECD), His-tagged(C-ter)

Cat. No. CSF3R-51H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Active Human CSF3R Protein (ECD) with His tag (C-ter) was expressed in HEK293.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | Glu25-Pro621  |
| <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. [provided by RefSeq, Aug 2010] |
| <b>Form</b>             | Powder  |
| <b>Bio-activity</b>     | Measured by its ability to inhibit the GCSF-induced proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is typically 31.5-126 ng/mL.   |
| <b>Endotoxin</b>        | Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.   |

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|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 95% (by SDS-PAGE)  |
| <b>Applications</b>   | FuncSt, SDS-PAGE   |
| <b>Notes</b>          | For laboratory research only, not for drug, diagnostic or other use.   |
| <b>Storage</b>        | Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| <b>Storage Buffer</b> | PBS (pH 7.4)   |
| <b>Reconstitution</b> | Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water.   |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | CSF3R colony stimulating factor 3 receptor (granulocyte) [ Homo sapiens ]  |
| <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  |

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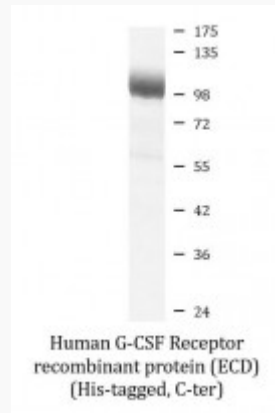
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MIM 138971

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SDS-PAGE



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