

Active Recombinant Human CSF1R protein, Fc-His-tagged

Cat. No. CSF1R-39H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CSF1R protein(Met 1-Glu512)(NP_005202.2) precursor was expressed in HEK293 with the fused C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-512 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its ability to bind biotinylated Human CSF1-his in functional ELISA. 2. Measured by its ability to inhibit the human CSF-induced proliferation of MNFS60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is typically 0.1-0.6 µg/mL in the presence of 3 ng/ml Recombinant Human M-CSF.
Molecular Mass	The recombinant human M-CSFR/Fc chimera is a disulfide-linked homodimer protein. The monomeric subunit contains 737 amino acids after the removal of signal peptide with a calculated molecular mass of 82.4 kDa. As a result of glycosylation, the monomer migrates as an approximately 115-125 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

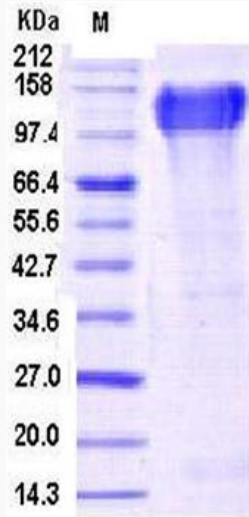
Gene Name	CSF1R colony stimulating factor 1 receptor [Homo sapiens]
Official Symbol	CSF1R
Synonyms	CSF1R; colony stimulating factor 1 receptor; FMS, McDonough feline sarcoma viral (v fms) oncogene homolog; macrophage colony-stimulating factor 1 receptor; C FMS; CD115; CSFR; CSF-1-R; CD115 antigen; CSF-1 receptor; FMS proto-oncogene; proto-oncogene c-Fms; macrophage colony stimulating factor I receptor; McDonough feline sarcoma viral (v-fms) oncogene homolog; FMS; FIM2; HDLS; C-FMS; CSF-1R; M-CSF-R;
Gene ID	1436
mRNA Refseq	NM_005211
Protein Refseq	NP_005202
MIM	164770
UniProt ID	P07333

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SDS-PAGE



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