

Active Recombinant Human CSF1R protein, His-tagged

Cat. No. CSF1R-021H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSF1R protein(NP_005202.2)(Ile20-Glu512), fused with His tag at the C-Terminus, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-512 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human M-CSF at 2 µg/mL (100 µL/well) can bind Recombinant Human CSF1R with a linear range of 50-200 ng/mL. 2.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 0.095-0.38 ng/mL. 3.Measured by its binding ability in a functional ELISA.Immobilized Human CSF-1/M-CSF at 2µg/mL (100 µL/well) can bind Human CSF1R with a linear range of 2-185 ng/mL.
Molecular Mass	55.34 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.

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Storage Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Reconstitution Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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

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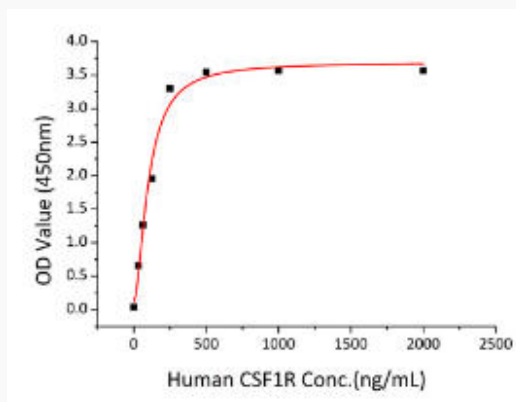
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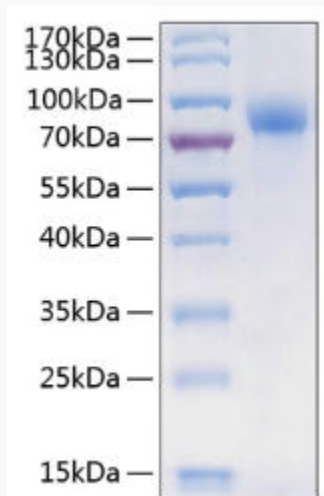
UniProt ID

P07333

Activity



SDS-PAGE



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