

Active Recombinant Rat Csf1r Protein, hFc-tagged

Cat. No. Csf1r-535R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Csf1r Protein(D4ACA7) (Met1-Glu510) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Glu510
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized rat CSF1R-Fc at 10 µg/ml (100 µl/well) can bind biotinylated human CSF1-His, The EC50 of biotinylated human CSF1-His is 1.7-3.9 ng/ml. Measured by its ability to inhibit mouse CSF induced proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is typically 50-250 ng/mL in the presence of 2.5 ng/mL Recombinant Mouse M-CSF.
Molecular Mass	The recombinant rat CSF1R/Fc is a disulfide-linked homodimer. The reduced monomer comprises 732 amino acids and has a predicted molecular mass of 82 kDa. The apparent molecular mass of the protein is approximately 106-116 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per

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	µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted 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 [<i>Rattus norvegicus</i>]
Official Symbol	Csf1r
Synonyms	CSF1R; colony stimulating factor 1 receptor; macrophage colony-stimulating factor 1 receptor; CSF-1 receptor; fms proto-oncogene; proto-oncogene fms; proto-oncogene c-Fms; c-fms; CSF-1R; CSF-1-R; M-CSF-R; MGC125014;
Gene ID	307403
mRNA Refseq	NM_001029901
Protein Refseq	NP_001025072

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