

Active Recombinant Rat Csf1r protein, His-tagged

Cat. No. Csf1r-54R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Csf1r protein(D4ACA7)(Met1-Glu510), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Glu510
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Immobilized rat CSF1R-His at 10 µg/ml (100 µl/well) can bind biotinylated human CSF1-His, The EC50 of biotinylated human CSF1-His is 7.8-18.3 ng/ml.
Molecular Mass	The recombinant rat CSF1R comprises 502 amino acids and predicts a molecular mass of 56.5 kDa. The apparent molecular mass of the recombinant protein is approximately 69-89 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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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.
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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.
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GENE INFORMATION

Gene Name	Csf1r colony stimulating factor 1 receptor [Rattus norvegicus]
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Official Symbol	Csf1r
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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;
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Gene ID	307403
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mRNA Refseq	NM_001029901
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Protein Refseq	NP_001025072
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