

Active Recombinant Human CSF3R Protein, His & Avi-tagged, Biotinylated

Cat. No. CSF3R-5176H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CSF3R Protein (Glu 25 - Pro 621) (NP_000751), fused with an Avi tag at the C-terminus, followed by a polyhistidine tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu 25 - Pro 621
Predicted N Terminal	Glu 25
Form	Lyophilized from sterile PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Human G-CSF, Tag Free at 2µg/mL (100 µL/well) can bind Biotinylated Human G-CSF R with a linear range of 0.16-1.25 µg/mL.
Molecular Mass	Recombinant Human CSF3R Protein has a calculated MW of 69.2 kDa. The protein migrates as 72-85 kDa on a SDS-PAGE gel under reducing (R) condition due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CSF3R colony stimulating factor 3 receptor (granulocyte) [Homo sapiens]
Official Symbol	CSF3R
Synonyms	CSF3R; colony stimulating factor 3 receptor (granulocyte); CD114; granulocyte colony-stimulating factor receptor; GCSFR; G-CSF-R; CD114 antigen; G-CSF receptor;
Gene ID	1441
mRNA Refseq	NM_000760
Protein Refseq	NP_000751
MIM	138971
UniProt ID	Q99062
Chromosome	1p35-p34.3

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Location	
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Pathways in cancer, organism-specific biosystem;
Function	cytokine receptor activity; receptor activity;

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