

Active Recombinant Human/Cynomolgus CSF1 protein, His-tagged, Biotinylated

Cat. No. CSF1-565HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human/Cynomolgus CSF1 protein N-terminal fragment (P09603-1)(Met 1-Asn 190), fused with a polyhistidine tag at the C-terminus, was expressed in HEK293 Cells. The purified protein was biotinylated in vitro.
Species	Human/Cynomolgus
Source	HEK293
ProteinLength	1-190 a.a.
Predicted N Terminal	Glu 22
Form	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween80.
Bio-activity	Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is typically 2-10 ng/mL.
Molecular Mass	The recombinant human / cynomolgus CSF1 consists of 169 amino acids and predicts a molecular mass of 19.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCSF1 is approximately 27-32 kDa band due to glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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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 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CSF1 colony stimulating factor 1 (macrophage) [Homo sapiens]
Official Symbol	CSF1
Synonyms	CSF1; colony stimulating factor 1 (macrophage); macrophage colony-stimulating factor 1; M CSF; MCSF; MGC31930; lanimostim; CSF-1;
Gene ID	1435
mRNA Refseq	NM_000757
Protein Refseq	NP_000748

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MIM	120420
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UniProt ID	P09603
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