

## Recombinant Human CSF2 protein

**Cat. No.** CSF2-3533H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CSF2 protein(P04141)(Ala18-Glu144) was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala18-Glu144
<b>Tag</b>	Non
<b>Form</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human GM-CSF at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human GM-CSF R alpha, hFc Tag with the EC50 of 10.3ng/ml determined by ELISA.
<b>Molecular Mass</b>	The protein has a predicted MW of 14.6 kDa same as Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
<b>Storage</b>	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

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**Reconstitution** Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** CSF2 colony stimulating factor 2 (granulocyte-macrophage) [ Homo sapiens ]

**Official Symbol** CSF2

**Synonyms** CSF2; colony stimulating factor 2 (granulocyte-macrophage); granulocyte-macrophage colony-stimulating factor; GM CSF; GMCSF; granulocyte macrophage colony stimulating factor; molgramostin; sargramostim; CSF; colony-stimulating factor; granulocyte-macrophage colony stimulating factor; MGC131935; MGC138897;

**Gene ID** 1437

**mRNA Refseq** NM\_000758

**Protein Refseq** NP\_000749

**MIM** 138960

**UniProt ID** P04141

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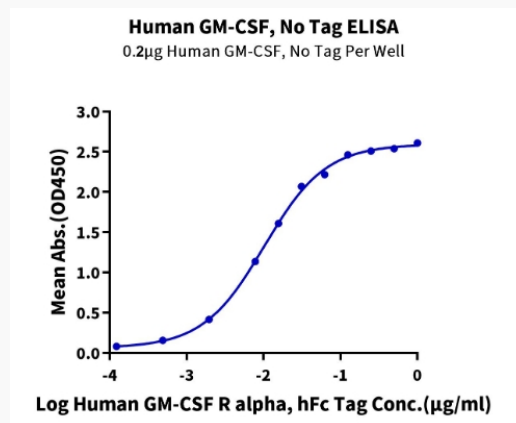
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**Tris-Bis PAGE**



**ELISA Data**



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