

## Recombinant Human CSF2 Protein

Catalog #	Source	Reactivity	Applications
CRP1358	P. pastoris	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human CSF2 Protein is produced by our Yeast expression system and the target gene encoding Ala18-Glu144 is expressed.		
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 10mM Tris-HCl, 4% Mannitol, 1% Sucrose, pH 8.5		
<b>Gene Symbol</b>	CSF2		
<b>Alternative Names</b>	GMCSF; Granulocyte-macrophage colony-stimulating factor; GM-CSF; Colony-stimulating factor; CSF; Molgramostin; Sargramostim		
<b>Entrez Gene</b>	1437 (Human)		
<b>SwissProt</b>	P04141 (Human)		
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
<b>Chemical Structure</b>	APARSPSPST QPWEHVNAIQ EARRLLNLSR DTAAEMNETV EWISEMFDLQ EPTCLQTRLE LYKQGLRGSL TKLKGPLTMM ASHYKQHCPP TPETSCATQI ITFESFKENL KDFLLVIPFD CWEPVQE		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

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