

Active Recombinant Full Length Mouse Csf2 Protein, Tag Free

Cat. No. Csf2-9789M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Mouse Csf2 Protein without tag was expressed in CHO.
Species	Mouse
Source	CHO
ProteinLength	18-141 aa
Description	GM-CSF Protein, Mouse (CHO) is a hematopoietic growth factor and immune modulator.
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. The ED50 is 21.54 pg/mL as measured by mouse FDC-P1 cells, corresponding to a specific activity of 4.643×10^7 units/mg. 2. Measured in a cell proliferation assay using THP 1 cells. The ED50 for this effect is 21.54 pg/mL, corresponding to a specific activity is 4.643×10^7 units/mg. 3. Measured by its binding ability in a functional ELISA. Immobilized Mouse GM-CSF at 5 µg/mL (100 µL/well) on the plate can bind Mouse GM-CSF R alpha. The ED50 for this effect is 0.1155 µg/mL.
Molecular Mass	14.2 kDa
AASequence	APTRSPITVTRPWKHVEAIKEALNLLDDMPVTLNEEVEVVSNEFSFKKLTVCVQTRLKI FEQGLRGNFTKLKGALNMTASYYYQTYCPPTPETDCETQVTTYADFIDSLKTFITDIPF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	ECKKPVQK
Endotoxin	< 0.2 EU/μg by LAL
Purity	≥ 95%, as determined by reducing SDS-PAGE.
Storage	Stored at -20 centigrade for 2 years from date of receipt. After reconstitution, it is stable at 4 centigrade for 1 week or -20 centigrade for longer (with carrier protein). It is recommended to freeze aliquots at -20 or -80 centigrade for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

GENE INFORMATION

Gene Name	Csf2 colony stimulating factor 2 (granulocyte-macrophage) [<i>Mus musculus</i>]
Official Symbol	Csf2
Synonyms	CSF2; colony stimulating factor 2 (granulocyte-macrophage); granulocyte-macrophage colony-stimulating factor; CSF; put. GM-CSF; colony-stimulating factor; granulocyte-macrophage colony stimulating factor 2; Csfgm; GMCSF; Gm-CSf; MGI-IGM; MGC151255; MGC151257;
Gene ID	12981
mRNA Refseq	NM_009969

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_034099
----------------	-----------

UniProt ID	Q14AD9
------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA