

Recombinant Chicken CSF2 protein

Cat. No. CSF2-16C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken CSF2 was expressed in Yeast. Chicken GM-CSF was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Chicken
Source	Yeast
Description	Granulocyte-macrophage colony-stimulating factor (GM-CSF) is a protein secreted by macrophages, T cells, mast cells, NK cells, endothelial cells and fibroblasts. GM-CSF stimulates stem cells to produce granulocytes (neutrophils, eosinophils, and basophils) and monocytes. Granulocyte macrophage–colony stimulating factor (GM-CSF) is secreted in response to inflammatory stimuli such as LPS, IL-1, and TNF- α by a variety of different cells, including endothelium, fibroblasts, muscle cells, and macrophages, and by activated T cells. GM-CSF is glycosylated in its mature form.
Molecular Mass	Has a predicted molecular weight of 14.2 kDa.
AA Sequence	TTTYSCCYKV YTILEEITSH LESTAATAGL SSVPMDIRDK TCLRNNLKTF IESLKTNGTE EESGIVFQLN RVHECERLFS NITPTPQVPD KECRTAQVSR EKFKALKTF FIYLSVDLPE EKDCI (125)
Applications	The Chicken GM-CSF protein can be used in cell culture, as an GM-CSF ELISA Standard, and as a Western Blot Control.

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GENE INFORMATION**Gene Name** CSF2 colony stimulating factor 2 (granulocyte-macrophage) [Gallus gallus]**Official Symbol** CSF2**Synonyms** GMCSF; GM-CSF; granulocyte-macrophage colony-stimulating factor**Gene ID** 416325**mRNA Refseq** NM_001007078**Protein Refseq** NP_001007079**MIM****UniProt ID****Chromosome Location** chromosome: 13**Pathway** Cytokine-cytokine receptor interaction, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Salmonella infection, organism-specific biosystem 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