

## 32-7915: Recombinant Human GM-CSF/CSF2 (C-6His, Human Cells)

**Gene :** CSF2  
**Gene ID :** 1437  
**Uniprot ID :** P04141

### Description

Source: Human Cells.  
MW :15.5kD.

Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor is produced by our Mammalian expression system and the target gene encoding Ala18-Glu144 is expressed with a 6His tag at the C-terminus. Granulocyte-macrophage colony-stimulating factor is also known as Colony-stimulating factor, CSF, Molgramostin and Sargramostim. In humans, it is encoded by the CSF2 gene. It belongs to the GM-CSF family. Granulocyte-macrophage colony-stimulating factor is a cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** APARSPSPSTQPWEHVNAIQEARRLLNLSRDTAAEMNETVEISEMFDLQEPTCLQTRLELYKQGL  
RGS�TKLKGPLTMMASHYKQHCPPTPETSCATQITFESFKENLKDFLLVIPFDCWEPVQEVDHHH  
HHH

### Application Note

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 ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.