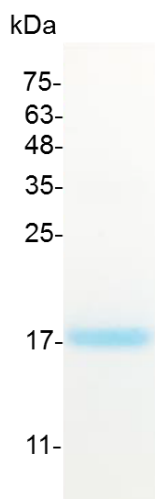


## PRODUCT INFORMATION

**GM-CSF (Granulocyte-macrophage colony-stimulating factor), Mouse**

<b>Catalog number</b>	C02064-5UG / C02064-20UG / C02064-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony-stimulating factor 2 (CSF2), is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, natural killer cells, endothelial cells and fibroblasts that functions as a cytokine. GM-CSF also plays a role in embryonic development by functioning as an embryokine produced by reproductive tract.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	APTRSPITVTRPWKHVEAIKEALNLLDDMPVTLNEEVEVVSNEFSFKKLTVCVQTR LKIFEQGLRGNFTKLGALNMTASYQTYCPPTPETDCETQVTTYADFIDSLKTF LTDIPFECKKPVQK with polyhistidine tag at the N-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce proliferation in FDC-P1 cells. The ED <sub>50</sub> for this effect is <50 pg/mL. The specific activity of recombinant mouse GM-CSF is approximately >2x 10 <sup>7</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse GM-CSF

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