

# Product Datasheet

## Recombinant Mouse GM-CSF Protein NBP2-26566-2ug

Unit Size: 2 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-26566-2ug****Recombinant Mouse GM-CSF Protein**

<b>Product Information</b>	
<b>Unit Size</b>	2 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute with 20mM AcOH (acetic Acid) not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
<b>Purity</b>	>50% SDS-PAGE
<b>Buffer</b>	GM-CSF Mouse was lyophilized with no additives.
<b>Target Molecular Weight</b>	14.26 kDa
<b>Product Description</b>	
<b>Description</b>	Recombinant biologically active CSF2 protein. <b>Source:</b> <i>E. coli</i>
<b>Gene ID</b>	1437
<b>Gene Symbol</b>	CSF2
<b>Species</b>	Mouse
<b>Preparation Method</b>	GM-CSF quantitation was carried out by two independent methods 1. UV spectroscopy at 280 nm using the absorbency value of 0.765 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of GM-CSF as a Reference Standard.
<b>Details of Functionality</b>	Murine GM-CSF is fully biologically active when compared to standard. The ED50 as determined by the dose-dependant stimulation of the proliferation of murine FDC-P1 cell line is less than 0.2 ng/ml, corresponding to a Specific Activity of $5 \times 10^6$ IU/mg.
<b>Notes</b>	After reconstitution, store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Endotoxin Note</b>	Less than 0.1 ng/ug (IEU/ug) of Murine GM-CSF .
<b>Product Application Details</b>	
<b>Applications</b>	Bioactivity
<b>Recommended Dilutions</b>	Bioactivity



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### **Limitations**

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