

# Product Datasheet

## Recombinant Mouse GM-CSF Protein NBP1-43195-0.005mg

Unit Size: 0.005 mg

Store at -80C. Avoid freeze-thaw cycles.

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**NBP1-43195-0.005mg**

## Recombinant Mouse GM-CSF Protein

Product Information	
<b>Unit Size</b>	0.005 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	0.09% Sodium Azide
<b>Buffer</b>	Sterile liquid; phosphate buffered saline, pH 7.2, 150 mM NaCl, 1% BSA, 0.22 um filtered.

Product Description	
<b>Description</b>	A Partial Recombinant Proteins to GM-CSF.
<b>Gene ID</b>	1437
<b>Gene Symbol</b>	CSF2
<b>Species</b>	Mouse
<b>Reactivity Notes</b>	This protein was made to the mouse sequence.
<b>Preparation Method</b>	E. coli expressed mature mouse GM-CSF (accession # NM_009969).
<b>Details of Functionality</b>	The ED50 of this protein, as measured by MC/9 cell proliferation assay, is 100-300 pg/ml. This corresponds to a specific activity of $1.0 \times 10^7$ Units/mg - $3.3 \times 10^6$ Units/mg.
<b>Notes</b>	Purity: Greater than 98%, as determined by SDS-PAGE
<b>Endotoxin Note</b>	Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Product Application Details	
<b>Applications</b>	ELISA, Immunoassay
<b>Recommended Dilutions</b>	ELISA, Immunoassay
<b>Application Notes</b>	This reagent has been tested by sandwich ELISA using the anti-mouse GM-CSF antibody pair (MP1-22E9/MP1-31G6) and in bioassays using the mouse cell line MC/9.



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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