

# Product Datasheet

## Recombinant Mouse GM-CSF Protein NBP2-35066-5ug

Unit Size: 5ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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### Publications: 2

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Updated 1/25/2025 v.20.1

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**NBP2-35066-5ug**

Recombinant Mouse GM-CSF Protein

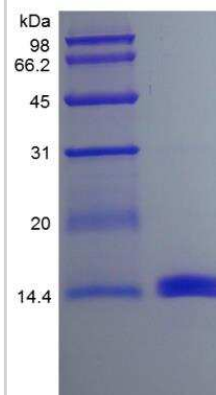
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, pH 7.4.
Target Molecular Weight	14.1 kDa

Product Description	
Description	A globular protein consisting of 124 amino acids residues corresponding to GM-CSF <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> P01587  <b>Amino Acid Sequence:</b> APTRSPITVT RPWKHVEAIK EALNLLDDMP VTLNEEVEVV SNEFSFKLT CVQTRLKIFE QGLRGNFTKL KGALNMTASY YQTYCPPTPE TDCETQVTY ADFIDSLKTF LTDIPFECKK PGQK
Gene ID	1437
Gene Symbol	CSF2
Species	Mouse
Details of Functionality	GM-CSF protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine FDC-P1 cells is less than 0.05 ng/ml, corresponding to a specific activity of > 2.0 x 10 <sup>7</sup> IU/mg
Endotoxin Note	Less than 1 EU/ug of GM-CSF as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

**Images**

SDS-Page: Mouse GM-CSF Protein [NBP2-35066]



## Publications

Segura-Bayona S, Villamor-Paya M, Attolini CSO Effect of Thrombospondin-4 on Pro-inflammatory Phenotype Differentiation and Apoptosis in Macrophages Peptides 1990-05-01 [PMID: 1974349]

Rahman MT, Muppala S, Wu J et al. Effects of thrombospondin-4 on pro-inflammatory phenotype differentiation and apoptosis in macrophages Cell Death Dis 2020-01-23 [PMID: 31974349] (WB, Mouse)





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### **Products Related to NBP2-35066-5ug**

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NBP2-34893-5ug	Recombinant Human GM-CSF Protein
210-TA-005	TNF-alpha [Unconjugated]
7954-GM-010/CF	GM-CSF [Unconjugated]
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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