

Product Datasheet

Recombinant Human GM-CSF Protein NBP2-26565-5ug

Unit Size: 5 ug

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

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NBP2-26565-5ug**Recombinant Human GM-CSF Protein**

Product Information	
Unit Size	5 ug
Concentration	Lyoph
Storage	Store at -20C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterilized 18 M omega-cm water to a final concentration of at least 0.1 mg/ml.
Purity	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized after extensive dialysis against 2mM sodium phosphate buffer pH= 7.4 (plus or minus 0.1).
Target Molecular Weight	14.4 kDa

Product Description	
Description	Recombinant biologically active GM-CSF protein. Source: <i>E. coli</i>
Gene ID	1437
Gene Symbol	CSF2
Species	Human
Preparation Method	Protein quantitation was carried out by two independent methods: 1.UV spectroscopy at 280 nm using the absorbency value of 0.963 as the extinctioncoefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENEcomputer analysis program of protein sequences (IntelliGenetics).2. Analysis by RP-HPLC, using a standard solution of GM-CSF as a Reference Standard.
Details of Functionality	GM-CSF is fully biologically active when compared to standard.The ED50 as determined by the dose-dependant stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) is less then 0.1 ng/ml, corresponding to a Specific Activity of 11.1x10 ⁶ IU/mg.
Notes	After reconstitution, store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Endotoxin Note	Less than 0.1 ng/ug (IEU/ug) of GM-CSF .

Product Application Details	
Applications	Bioactivity
Recommended Dilutions	Bioactivity





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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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