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Product Datasheet

Human GM CSF Protein BYT-ORB425776

Article Name	Human GM CSF Protein
Biozol Catalog Number	BYT-ORB425776
Supplier Catalog Number	orb425776
Alternative Catalog Number	BYT-ORB425776-1, BYT-ORB425776-20, BYT-ORB425776-5
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant of human GM CSF protein...
Buffer	GM-CSF was lyophilized after extensive dialysis against 2mM sodium phosphate buffer pH= 7.40.1.
Purity	Greater than 98.0% as determined by:1. Analysis by RP-HPLC.2. Analysis by SDS-PAGE.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Ala-Arg-Ser.N-terminal methionine has been completely removed enzymatically

Application Notes

Solubility: It is recommended to reconstitute the lyophilized Granulocyte Macrophage Colony Stimulating Factor in sterile 18MO-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Biological Activity: The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) is < 0.1 ng/ml, corresponding to a Specific Activity of 11,100,000 IU/mg. Application Notes: Protein content: GM-CSF quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 0.963 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GEN computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of GM-CSF as a Reference Standard