

Product: Granulocyte Macrophage Colony Stimulating Factor, Rat, Recombinant
Catalog #: 11-GMCSF-R
Amount: 5 µg

DESCRIPTION: Recombinant Rat Granulocyte Macrophage Colony Stimulating Factor (rrGM-CSF)
rrGM-CSF is a single, non-glycosylated, polypeptide chain containing 128 amino acids and having a molecular mass of 14590.65 Dalton
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Pro-Thr-Arg

SOURCE: *E.Coli* Expression System

PURITY: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rrGM-CSF

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm
2. Analysis by RP-HPLC, using a calibrated solution of rat rat GM-CSF as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles.

BIOLOGICAL ACTIVITY: rrGM-CSF is fully biologically active when compared to standards
The ED50 as determined by the dose-dependant stimulation of the proliferation of murine FDC-P1 cell line is < 0.01 ng/ml, corresponding to a Specific Activity of 1x10⁸ IU/mg

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.