

Product: Granulocyte Macrophage Colony Stimulating Factor-Sf9 (GM-CSF), human
Catalog #: 11-GMCSF-H-Sf9
Amount: 5 µg

DESCRIPTION:

Recombinant Human GM-CSF-Sf9 (rHuGM-CSF-Sf9)
rHuGM-CSF-Sf9 is a single, glycosylated, polypeptide chain containing 127 amino acids and having a molecular mass of 14477 Dalton.

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

SOURCE:

Escherichia coli expression system

PURITY:

> 98%, 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 rHuGM-CSF-Sf9

DIMERS & AGGREGATES:

Less than 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT:

Protein quantitation was carried out by 2 independent methods:
- 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 GENcomputer analysis program of protein sequences

- Analysis by RP-HPLC, using a standard solution of GM-CSF as a Reference Standard

FORM:

Purified

STORAGE:

-20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY:

rHuGM-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 < 0.1 ng/ml, corresponding to a Specific Activity of 1×10^7 IU/mg

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