

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

DESCRIPTION: Recombinant Porcine GM-CSF (rpGM-CSF)
rpGM-CSF is a single, non-glycosylated, polypeptide chain containing 127 amino acids and having a molecular mass of 14381 Dalton.
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Thr-Arg-Pro
Escherichia coli expression system

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 14.38 kDa

PURITY: > 95%, 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: < 0.1 ng/µg (IEU/µg) of rpGM-CSF

DIMERS & AGGREGATES: < 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 0.977 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 pGM-CSF as a Reference Standard

FORM: Purified

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

BIOLOGICAL ACTIVITY: rpGM-CSF is fully biologically active when compared to standard. The ED50 as determined by the dose-dependant stimulation of the proliferation TF-1 cell line is < 20 ng/ml

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