

Canine GM CSF Recombinant Protein



RPPB0360

Product Information Protein Information

Product SKU:

RPPB0360

Accession:

P48749

Host:

Escherichia Coli.

Protein description:

GMCSF k9 Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 128 amino acids and having a molecular mass of 14.2 kDa. GM-CSF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

CSF-2, MGI-1GM, GM-CSF, Pluripoietin-alpha, MGC131935, MGC138897.

Formulation:

GMCSF was lyophilized after extensive dialysis against 1xPBS pH 7.4.

Purity:

Greater than 96.0% as determined by 1. Analysis by RP-HPLC. 2. Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized GMCSF in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized GMCSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GMCSF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

APTRSPTLVT RPSQHVDAIQ EALSLLNNSN DVTAVMNKAV KVSEVFDPEGPTCLETRLQ LYKEGLQGSL
TSLKNPLTMM ANHYKQHCPP TPESPCATQINFKSFKENL KDFLFNIPFD CWKPVKK.

Biological Activity:

The ED₅₀ as calculated by the dose-dependent stimulation of the proliferation of human TF1 erythroleukemic cells is typically 1-4 ng/ml.