

Recombinant Human GMCSF/IL-3 Fusion Protein

Cat. No. IL3-88H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GMCSF/IL3 fusion protein produced in E.Coli is a single, non-glycosylated, polypeptide chain having a Mw of 30kD.
Species	Human
Source	E.coli
Description	The analog of GMCSF/IL3 is PIXY321. Results indicate that PIXY321 can stimulate multilineage hematopoiesis in vivo and enhance neutrophil and platelet recovery following chemotherapy and bone marrow transplantation (BMT). These results suggest that PIXY321 elicits the biological effects of both its component cytokines and represents a novel means of delivering two independent but interactive cytokines in combination. PIXY321 is purified by proprietary chromatographic techniques.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (c) Analysis by SDS-PAGE.
Formulation	The protein was lyophilized after extensive dialysis against 10 mM PBS, pH= 7.4±0.1 and 0.1% BSA.
Solubility	It is recommended to reconstitute the lyophilized PIXY321 in sterile 18 MΩ-cm H ₂ O not less than 100 g/ml, which can then be further diluted to other aqueous solutions.

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Specific Activity

The ED₅₀as determined by the dose-dependant stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) is < 0.2 ng/ml, corresponding to a Specific Activity of 5 x10⁶IU/mg.

Stability

Lyophilized PIXY321although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PIXY321should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

GENE INFORMATION

Synonyms

PIXY321; GMCSF/ IL3

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