

32-1287: PIXY321 Recombinant Protein(Discontinued)

Alternative Name : PIXY321,GMCSF/ IL3.

Description

Source : Escherichia Coli. GMCSF/IL3 fusion protein Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain having a Mw of 30kDa.PIXY321 is purified by proprietary chromatographic techniques. Synergism of IL3 together with GMCSF causes a rapid rise in neutrophils due to GMCSF and a slower rise in platelets due to IL3 which has strong stimulated effect on hematopoietic cells.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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by1. Analysis by RP-HPLC.2. Analysis by SDS-PAGE.
Content :	The protein was lyophilized after extensive dialysis against 10mM PBS, pH= 7.4±0.1 and 0.1% BSA.
Storage condition :	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.

Application Note

It is recommended to reconstitute the lyophilized PIXY321 in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependant stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) is < 0.2ng/ml, corresponding to a Specific Activity of 5,000,000IU/mg.