



Product Datasheet

Product Name	GMCSF/ IL-3 Fusion Protein Human Recombinant
Cata No	CB500262
Source	<i>Escherichia Coli.</i>
Synonyms	PIXY321, GMCSF/ IL3.

Description

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.

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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity

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 x10⁶ IU/mg.

Purity

Greater than 95.0% as determined by:

1. Analysis by RP-HPLC.
2. Analysis by SDS-PAGE.

Formulation

The protein was lyophilized after extensive dialysis against 10mM PBS, pH= 7.4±0.1 and 0.1% BSA.

Stability

Lyophilized PIXY321 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PIXY321 should be stored at 4°C between 2-7 days and for future use below -18°C.

Please prevent freeze-thaw cycles.

*** For Non-Clinical Research Use Only ***