



Asia Hepato Gene Co. Product Datasheet

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rhPDGF-BB (recombinant human platelet-derived growth factor B) 重組人血小板衍生因子 B

PDGF 主要來自血小板，分 AA、BB、AB 三型，BB 促進慢性傷口修復效果最好。本公司以基因工程技術量產 PDGF-BB，它能

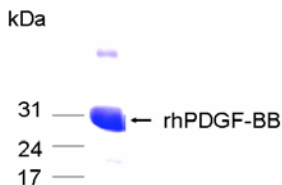
1. 促使皮下血管再生、促進微血管循環、改善血液的供應。
2. 促進內生性膠原蛋白的生成，修復後的傷口不留下疤痕，1970 年獲得美國 FDA 許可使用於治療糖尿病傷口修復，美國強生製藥 Regranex 凝膠，含 Becaplermin (rhPDGF-BB) 0.01% (100ug/g)。
3. 啟動毛囊幹細胞，使毛囊進入更新與分化，進而長出新髮。

目前應用在：

臨床醫學- 燒燙傷、皮膚潰瘍、褥瘡
皮膚保健- 抗皺、增加彈性和光澤
口腔保健- 牙周再生、骨細胞增生和膠原蛋白生成
頭髮再生- 禿頭、掉髮

產品規格：

品名：rhPDGF-BB
表達宿主：大腸桿菌
包裝：10mg rhPDGF-BB 粉末 (無菌、無防腐劑)
純度：≥ 95% (SDS-PAGE 蛋白質電泳分析，如圖)
用量：1mg 製作 0.1 ~ 1L 產品 (1~10 ug/g)



注意事項：

1. 溫度 45°C 以下
2. 避免與植物萃取液內含生物鹼等原料直接混合
3. 10mg rhPDGF-BB 白色粉末加入水(標示在瓶上)混均勻後再取用
4. 避免與釋放甲醛的防腐劑合用

參考資料：

燒傷學臨床新視野/: 燒傷休克、感染、營養、修復與整復 清華大學出版社

PDGF derived from platelet with AA, BB and AB three forms. rhPDGF-BB can promote chronic wounds to repair. Our company use genetic engineering technology to produce PDGF-BB in large quantity. Its functions are:

1. rhPDGF-BB can induce skin angiogenesis, promote capillary circulation, and improve blood supply.
2. They can promote endogenous collagen production, and repair the wound without scars. In 1970, US FDA approved it as gel for the healing of diabetic wound. It is the only growth factor drugs by American Johnson & Johnson pharmaceutical Regranex Gel, containing Becaplermin (rhPDGF-BB) 0.01% (100ug/g).
3. It can promote the hair follicle stem cells into regeneration and differentiation, and thus grow new hair.

Clinical application:

Wounds - burns, skin ulcers, bedsores.
Skin care - Anti-Wrinkle, increase flexibility and shine
Oral health - promoting periodontal regeneration, bone cell proliferation and collagen production.
Hair regrowth - baldness, hair loss.

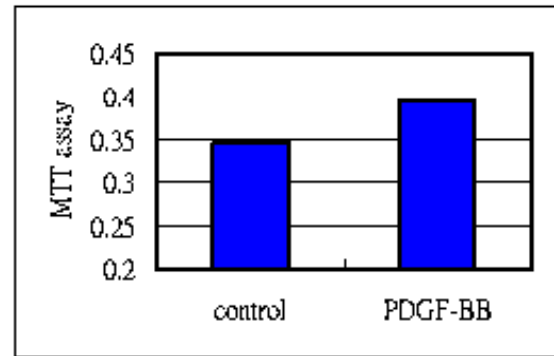
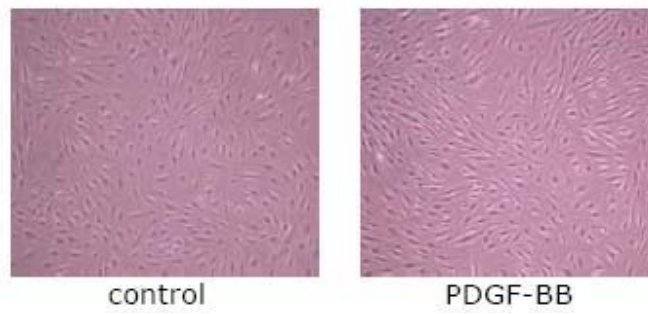
Product Specifications:

Product Name: rhPDGF-BB
Expression Host: E. coli
Package: 10mg rhPDGF-BB white powder (sterile, no preservatives)
Purity: ≥ 95% (SDS-PAGE electrophoresis protein separation, as left figure)
Dosage: 1mg for 0.1~1 liter product (1~10 ug/g)

Note:

- 1 temperature below 45 °C
- 2 avoid direct mixing plant extracts containing alkaloids
- 3 before use add ddH₂O (see the bottle) into 10mg rhPDGF-BB white powder
- 4 avoid release formaldehyde preservatives

rhPDGF-BB 細胞培養試驗：



培養皮膚纖維母細胞，進行血清剝奪 48 小時和加入 25ng/ml rhPDGF-BB。
24 小時後照相，然後進行 MTT 測定。