



PEPROGMP[®]

Cytokines

因應細胞治療的概念，符合從實驗室到病人治療的開發需求，PeperoGMP[®] Cytokines的製造是遵循US FDA GMP (Good Manufacturing Practices)法規及 ISO 9001品質管理系統條文，全程均不使用任何含有動物來源的材料，提供最高等級標準的GMP 重組蛋白，確保最佳品質及安全性，遵照細胞治療、基因治療、組織工程等臨床研究要求。



GMP 重組蛋白品質四大認證

蛋白種類鑑定及純度分析

- N-terminal amino acid sequence analysis
- Molecular weight determination by mass spectrometry
- Reversed-phase HPLC analysis
- SDS-PAGE with Western blotting

生物活性檢測

- Specific activity determined by product-specific in vitro bioassay, against reference standard and (when applicable) against WHO standards

內毒素安全性確認

- Residual E. coli DNA testing
- Sterility: beginning, middle and end processes
- Low Endotoxin
- Mycoplasma

品質認證文件

- Certificate of Analysis
- Certificate of Origin
- Safety Data Sheet (SDS)



GMP 重組蛋白品質管理監控

- Controlled-certified ISO7 and ISO8 Cleanrooms
- Qualification & Validation Program
- Materials Management
- 100% Traceability
- Personnel Training Program
- Environmental Monitoring
- Equipment Calibration & Maintenance
- Rigorous Quality Control Program
- Documentation Control & Records
- Stability Program
- Controlled Processes
- QA Review & Support
- Quality & Supply Agreement

貨號	品名	包裝
GMP120-14E	PeproGMP® Recombinant Human Activin A	50ug/100 ug
GMP200-02	PeproGMP® Recombinant Human IL-2	50ug/100ug/1mg
GMP200-03	PeproGMP® Recombinant Human IL-3	50ug/100ug/1mg
GMP200-06	PeproGMP® Recombinant Human IL-6	10ug/100ug
GMP100-15	PeproGMP® Recombinant Human EGF	100ug/500ug/1mg
GMP200-15	PeproGMP® Recombinant Human IL-15	50ug/100 ug
GMP100-18B	PeproGMP® Recombinant Human FGF-basic	25ug/100ug/1mg
GMP300-19	PeproGMP® Recombinant Human Flt3-Ligand	50ug/100 ug
GMP100-03	PeproGMP® Recombinant Human Heregulinβ-1	50ug/100ug/1mg
GMP100-19	PeproGMP® Recombinant Human KGF	50ug/100 ug
GMP100-13A	PeproGMP® Recombinant Human PDGF-AA	50ug/100ug
GMP300-05	PeproGMP® Recombinant Human LIF	50ug/100ug
GMP300-07	PeproGMP® Recombinant Human SCF	50ug/100ug/1mg
GMP300-18	PeproGMP® Recombinant Human TPO	50ug/100ug
GMP100-20	PeproGMP® Recombinant Human VEGF165	50ug/100ug/1mg
GMP200-21	PeproGMP® Recombinant Human IL-21	50ug/100ug
GMP200-07	PeproGMP® Recombinant Human IL-7	50ug



RUO 重組蛋白四大把關

蛋白質類鑑定及純度分析

- N-terminal amino acid sequence analysis
- Molecular weight determination by mass spectrometry
- Reversed-phase HPLC analysis (where possible)
- SDS-PAGE with Western blotting

生物活性檢測

Determined in the relevant in vitro and in vivo bioassay.

內毒素汙染檢測

Tested by kinetic LAL (Limulus Amebocyte Lysate).

無菌過濾

All products are sterile filtered through a 0.2 micron filter.

更多RUO重組蛋白請見



ANIMAL-FREE 重組蛋白

E.coli expressed recombinant protein
Cell culture expressed recombinant protein

更多Animal-Free重組蛋白請見



CYTOKINE PACKAGES

Cytokine Packages	Animal-Free	Human	Murine
Dendritic Cell Cytokine Packages	—	#HDC	#MDC
	+	#AF-HDC	#AF-MDC
Hematopoietic Stem Cell Expansion Cytokine Packages	—	#HHSC3 #HHSC6	#MHSC3 #MHSC6
	+	#AF-HHSC3 #AF-HHSC6	—