

GMP



Products

- 1 Global 제약회사인 GSK(GlaxoSmithKline)에 GMP Protein 공급! (Since 2002)
- 2 Cell Therapy 연구에 사용할 수 있도록 USP Chapter <1043>, USP Chapter <92>에 따라 만들어진 제품들!
- 3 ISO9001, ISO13485
- 4 가장 많은 종류의 GMP product 보유!

GMP Proteins

Activin A	IGF-I*	Noggin	Sonic Hedgehog*
BDNF	IL-1 α	NRG1-b1	TGF- β 1**
BMP-2	IL-1 β *	NT-3	TGF- β 3**
BMP-4	IL-2*	NT-4	TNF- α *
BMP-7	IL-3*	PDGF-BB*	VEGF**
EGF*	IL-4*	Periostin	Wnt-3a
Dkk-1	IL-6*	SCF/c-kit Ligand*	
FGF basic*	IL-7*		
Fibronectin**	IL-11**		
Flt-3 Ligand**	IL-12		
GDF-8/Myostatin	IL-15*		
GDF-11	IL-17E*		
GDNF	IL-21		
GM-CSF*	KGF/FGF-7		
HGF	LR3 IGF-I*		
IFN- γ *	M-CSF*		

* Animal Free / ** Animal Component Free Protein

GMP Small Molecules

Name	Description
DAPT	γ -Secretase Inhibitor; NOTCH Pathway Inhibitor
SB431542	TGF- β 1, ALK4 and ALK7 Inhibitor
Y-27632	Selective ROCK Inhibitor
CHIR 99021	GSK-3 Inhibitor, WNT Pathway Activator
XAV939 (출시예정)	Tankyrase Inhibitor, WNT Signaling Inhibitor

GMP Stem Cell Media

StemXVivo GMP Mesenchymal Stem Cell Expansion Media

Key Benefits

- Produced according to GMP Guidelines
- All components, including fetal bovine serum, were selected and optimized for MSCs
- Formulated to reduce variation
- Ready to use
- Additional testing and documentation is available upon request

R&D SYSTEMS
a biotechne® brand



응비메디텍
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GMP Products

Data sheet에는 이런 정보가 제공 됩니다!

Description

Source *E. coli*-derived human IL-2 protein
Ala21-Thr153, with an N-terminal Met
Accession # P60568
Produced using non-animal reagents in an animal-free laboratory.
Manufactured and tested under cGMP guidelines.

N-terminal Sequence Analysis Met-Ala₂₁-Pro-Thr-Ser-Ser-Ser-Thr-Lys-Lys

Predicted Molecular Mass 15.5 kDa

Specifications

SDS-PAGE 13 kDa, reducing conditions

Activity Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. Gearing, A.J.H. and C.B. Bird (1987) in Lymphokines and Interferons, A Practical Approach. Clemens, M.J. et al. (eds): IRL Press. 295.
The ED50 for this effect is 0.05-0.25 ng/mL.

The specific activity of recombinant human IL-2 is approximately 2.1×10^4 IU/ μ g, which is calibrated against recombinant human IL-2 WHO International Standard (NIBSC code: 86/500).

Endotoxin Level <0.01 EU per 1 μ g of the protein by the LAL method.

Purity >97%, by SDS-PAGE with silver staining, under reducing conditions.

Mass Spectrometry Intact mass analysis of recombinant human IL-2 confirms the predicted molecular mass of 15549 Da.

Host Cell Protein <0.5 ng per μ g of protein when tested by ELISA.

Mycoplasma Negative when tested in a ribosomal RNA hybridization assay.

Host Cell DNA <0.0015 ng per μ g of protein when tested by PCR.

Formulation Lyophilized from a 0.2 μ m filtered solution in Acetonitrile and TFA. See Certificate of Analysis for details.

Data

