

GMP Products

from biotechne®



- 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 ⁴⁾	HGF (NS0-expressed) ⁵⁾	NT-3 ²⁾	SCF ¹⁾
BDNF ²⁾	IL-1beta/IL-1F2 ¹⁾	Noggin ⁵⁾	TGF-alpha ¹⁾
BMP-2 ⁴⁾	IL-2 ¹⁾	Noggin Fc Chimera ⁵⁾	TGF-beta1 ³⁾⁴⁾
BMP-4 ⁵⁾	IL-3 ¹⁾	NRG1-beta 1/HRG1-beta 1EGF Domain ¹⁾	TGF-beta3 ³⁾
BMP-7 ⁴⁾	IL-4 ¹⁾	PDFG-AA ¹⁾	Thrombopoietin ¹⁾
Dkk-1 ²⁾	IL-6 ¹⁾	PDFG-BB ¹⁾	VEGF 165 ³⁾
EGF ¹⁾	IL-7 ¹⁾	shh, N-terminus ¹⁾	Wnt-3a ⁴⁾
FGF basic/FGF2 (146aa) ¹⁾	IL-11 ³⁾	shh(C24II) N-term ¹⁾	
FGF basic/FGF2 (145aa) ¹⁾	IL-12 ²⁾		
Fibronectin ³⁾	IL-15 ¹⁾		
Fit-3 Ligand/FLT3L ¹⁾	IL-21 ¹⁾		
GDF-8/Myostatin ⁵⁾	IGF-I/IGF-1 ¹⁾		
GDF-11/BMP-11 ¹⁾	IFN-gamma ¹⁾		
GDNF ⁵⁾	KGF/FGF-7 ¹⁾		
GM-CSF ¹⁾	LR3 IGF-I/IGF-1 ¹⁾		
Guanylate Kinase ¹⁾	M-CSF ¹⁾		

1)E.coli 2)Sf21 3)Sf9 4)CHO 5)NSO

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 <small>NEW</small>	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

GMP Products

Data sheet에는 이런 정보가 제공 됩니다!

Description

Source	<i>E. coli</i> -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.
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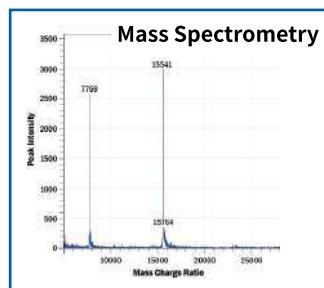
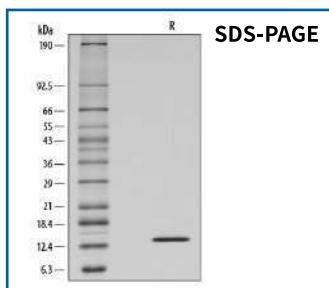
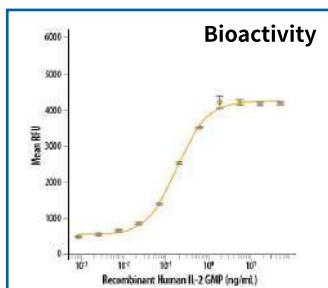
N-terminal Sequence Analysis	Met-Ala ₂₁ -Pro-Thr-Ser-Ser-Ser-Thr-Lys-Lys
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Predicted Molecular Mass	15.5 kDa
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Specifications

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 x 10 ⁴ IU/μg, which is calibrated against recombinant human IL-2 WHO International Standard (NIBSC code: 86/500).
Endotoxin Level	<0.01 EU per 1 μg 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 μg of protein when tested by ELISA.
Mycoplasma	Negative when tested in a ribosomal RNA hybridization assay.
Host Cell DNA	<0.0015 ng per μg of protein when tested by PCR.
Formulation	Lyophilized from a 0.2 μm filtered solution in Acetonitrile and TFA. See Certificate of Analysis for details.

Data



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