

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 | 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 **TOCRIS** a biotechne brand

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 x 10⁴ 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

