

CELL-FREE로 단백질 발현이 잘 안될 때는,

ExiProgen™ Protein Expression Optimization Kit

단백질 발현 효율을 높여주는 6종의 tag 서열을 포함하는 linear template DNA를 제작할 수 있는 kit입니다.
 두 단계의 PCR 반응으로 동시에 다양한 tag 서열을 가지는 template DNA를 제작할 수 있어,
 목적 단백질의 발현량을 최대로 높여주는 tag를 빠르게 스크리닝할 수 있습니다.
 제작된 template DNA는 TEV cleavage 서열을 포함하고 있어 단백질 합성 후 tag 제거도 가능합니다.

- ☑ 최대 30 종류의 template를 한 번에 제작 가능
- ☑ PCR 반응으로 template DNA를 확보함으로써 cloning 과정 생략
- ☑ 높은 fidelity의 PCR Premix 제공으로 PCR 반응시 생길 수 있는 error rate 최소화

Control DNA

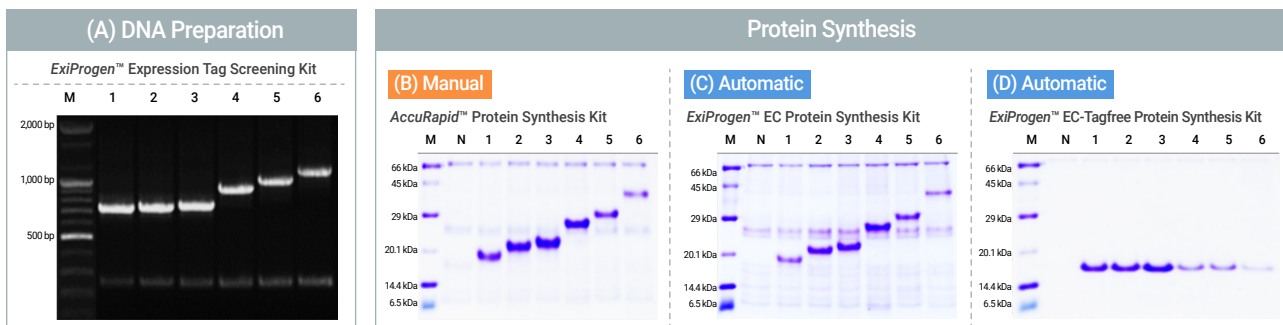


Figure 1. Template DNA construction and protein synthesis data for the control DNA.

Each linear template DNA was generated by using *ExiProgen™* Protein Expression Optimization Kit. The linear template DNA was used as templates for protein synthesis with our various protein synthesis kits. Length of the control DNA is 462 bp and molecular weight of the control protein is 18 kDa.

Data (A): 2nd PCR products using the 1% agarose gel image

Data (B-D): Each protein was synthesized using 1 µg of DNA and 22.5 µl of the purified protein was loaded on 12% SDS-PAGE gel.

(Lane N: No tagged samples, Lane 1-6: tag 1-6 inserted samples.)

Synthesis of Difficult-to-express Proteins

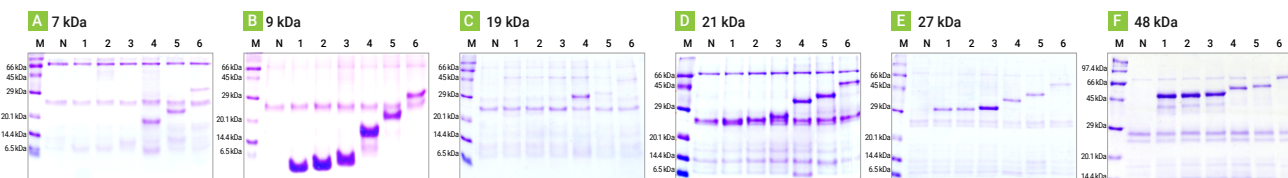


Figure 2. Protein synthesis data of various sizes of difficult-to-express proteins.

Difficult-to-express proteins were synthesized using the template DNAs generated by the tag screening kit and *ExiProgen™* EC Protein Synthesis Kit.

Data (A-F): Synthesized proteins analyzed by SDS-PAGE

(Lane N: No tagged samples, Lane 1-6: tag 1-6 inserted samples.)

카탈로그 번호	제품명	가격
K-7410	<i>ExiProgen™</i> Protein Expression Optimization Kit	₩590,000
Related Product		
K-7280	<i>AccuRapid™</i> Protein Synthesis Kit	₩400,000
K-7300	<i>ExiProgen™</i> EC protein Synthesis Kit	₩650,000
K-7320	<i>ExiProgen™</i> EC-Tagfree Protein Synthesis Kit	₩990,000
S-2500	Standard Protein Synthesis Service	Inquire