

Ordering Information

• DNA/RNA Electrophoresis Reagent

Maker	Cat.No.	Product	Size
BioFACT	AG113-100	gel-rose™ Agarose, molecular biology grade	100 g
	AG113-500	gel-rose™ Agarose, molecular biology grade	500 g (250g × 2ea)
	AG111-050	gel-rose™ Agarose, Electrophoresis grade	50 g
	AG111-500	gel-rose™ Agarose, Electrophoresis grade	500 g
	ES301-1000	EcoDye™ Nucleic Acid Staining Solution	1 mL (500μL × 2ea)
	SM354-500	BioFACT™ 1 Kb Plus DNA Ladder	0.5 mL (0.1mL × 5ea)
	SM342-500	BioFACT™ 100bp Plus DNA Ladder	0.5 mL (0.1mL × 5ea)
	LD362-20h	BioFACT™ 6X Loading dye (Bromophenol blue)	2 mL (1mL × 2ea)

• Protein Electrophoresis Reagent

Maker	Cat.No.	Product	Size
BioFACT	SM306-500	BioFACT™ Triple color protein marker(10-180KDa)	0.5 mL (250μL × 2ea)
	SM307-500	BioFACT™ Triple color protein marker(10-245KDa)	0.5 mL (250μL × 2ea)

• Cloning Kit

Maker	Cat.No.	Product	Size
BioFACT	VT201-020	All in One™ PCR Cloning Kit (vector, buffer, competent cell)	20 rxns
	VT202-020	All in One™ PCR Cloning Kit (vector, buffer)	20 rxns
	VT241-020	BioFACT™ Competent cell (DH5α)	20 rxns

• Other Reagent

Maker	Cat.No.	Product	Size
BioFACT	UD121-10h	BioFACT™ Uracil-DNA Glycosylase	1,000 U
	DL101-40k	BioFACT™ T4 DNA Ligase	40,000 U
	DN101-10h	BioFACT™ dATP 100mM	1 mL
	DN102-10h	BioFACT™ dGTP 100mM	1 mL
	DN103-10h	BioFACT™ dCTP 100mM	1 mL
	DN104-10h	BioFACT™ dTTP 100mM	1 mL
	DN105-10h	BioFACT™ dUTP 100mM	1 mL
	DN112-10h	BioFACT™ dNTP Mix 10 (each 10mM)	1 mL
	DN118-10h	BioFACT™ dNTP(U) Mix 10 (each 10mM)	1 mL
	DN106-40h	BioFACT™ dNTP Set (each 100mM)	4 mL (1mL × 4ea)
	DN107-40h	BioFACT™ dNTP(U) Set (each 100mM)	4 mL (1mL × 4ea)
	BB741-10k	BioFACT™ 5X Band Helper™	10 mL (1mL × 10ea)

• Pre-made Buffer

Maker	Cat.No.	Product	Size
BioFACT	PB101-10h	50x TAE Buffer	1 L
	PB102-10h	5X TBE Buffer	1 L
	PB141-081	RNase Free Water(DEPC)	1 mL × 81 ea
	PB141-B500	RNase Free Water(DEPC)	500 mL
	PB131-500	0.5M EDTA	500 mL
	PB151-10h	10X SDS PAGE Running Buffer	1 L
	PB152-10h	Coomassie Blue Staining Solution	1 L
	PB153-10h	Coomassie Blue Destaining Solution	1 L

* Related Product 항목의 가격 및 자세한 내용은 학술서비스팀(☎1670-5695)으로 연락주세요.



Selection Guide

- Molecular Biology Reagent



본 사 | 34124 대전광역시 유성구 테크노8로70 대표번호 1670-5695 Tel. 042-867-5695
 서울지사 | 04788 서울특별시 성동구 광나루로 130 서울숲 IT캐슬 1008호 Tel. 02-851-5695
 www.bio-ft.com | info@bio-ft.com

“Beyond the PCR technology, BIOFACT promises the progress for your research. BIOFACT provides you the most innovative high-quality reagents and lab supplies which lead to success of your tomorrow.”

Molecular Biology Reagent

Pre-made buffer



·경제적이고 편리한 제품 / 분자생물학, 전기영동 등의 실험에 사용

Products

- * 50x TAE Buffer
- * 5x TBE Buffer
- * RNase Free Water (DEPC)
- * 0.5M EDTA
- * 10X SDS PAGE Running Buffer
- * Coomassie Blue Staining Solution
- * Coomassie Blue Detaining Solution

Other Reagent

BioFACT™ Uracil-DNA
Glycosylase



- Carry-over contamination 에 의한 false positive 방지
- dTTP 대신 dUTP 사용
- Proofreading 기능 가진 enzyme은 사용 불가

BioFACT™ dNTP



- High quality
- High reproducibility

BioFACT™ T4 DNA Ligase



- Inversed PCR product
- Sub-cloning
- Cloning of restricted DNA fragments into a plasmid
- Joining of double-stranded DNA with cohesive or blunt end

5X Band Helper™



- High G+C contents 또는 2차 구조에 효과적
- PCR 첨가제

Cloning

All in One™ PCR Cloning Kit



Specification

- All in One™ Vector와 Competent cell [DH5α]제공
- Topoisomerase I 로 상온에서 5 min 내 Ligation 가능
- A-Tail / Blunt End Cloning 모두 가능
- 2kb 미만의 insert를 위한 Cloning kit
- Viable selection system (ccdB gene이 있어 Self-ligation된 Colony 생성 억제)

Map and features of All in One™ Cloning Vector



Comments for All in One™
3807 nucleotides

Lac promoter / operator region : 95 – 216
M13 (-20) Reverse priming site : 205 – 221
LacZα ORF : 217 – 534
Multiple Cloning Site : 234 – 357
M13 (-20) Forward priming site : 391 – 406
ccdB lethal gene ORF : 544 – 846
Kan^r gene : 1057 – 1989
Amp^r gene : 2007 – 2867
pUC origin : 3012 – 3685

All in One™ Vector *Cloning site 주변의 sequence

lacZαATG Hinc III Kpn I Sac I BamH I Spe I
M13 Reverse(-20) Primer
CAG GAA GCA GGT ATG ACC ATG ATT ACG CCA AGC TTG GTA CCG AGC TCG GAT CCA CTA
GTC CTT TGT CGA TAC TCG TAC TAA TGC GGT TCG AAC CAT GGC TCG AGC CTA GGT GAT
BstXI EcoRI
GTA ACG GCC GCC AGT GTG CTG GAA TTC GCC CTG GTC GCG GGC GAA TTC TGC
CAT TGC CGG CGG TCA CAC GAC CTT AAG CGG GAT GTC CGG CTT AAG ACG
EcoRV BstXI NotI Xho I Nsi I Xba I Ape I
AGA TAT CCA TCA CAC TGG CGG CGG CTC GAG CAT GCA TCT AGA GGG CCG AAT TCG CCC TAT
TCT ATA GGT AGT GTG ACC GCC GGC GAG CTC GTA CGT AGA TCT CCC GGG TTA AGC GGG ATA
M13 Forward(-20) Primer
AGT GAA TCG TAT TAC AAT TCA CTG GCC CTC GTT TTA CAA CGT CGT GAC TGG GAA AAC
TCA CTT AGC ATA ATG TTA AGT GAC CGG CAG CAA AAT GGT GCA GCA CTG ACC CTT TTG

* All in One™ Vector의 full sequence가 필요하시면 1670-5695번으로 연락주세요.

Electrophoresis Reagent

DNA / RNA / Protein work

gel-rose™ Agarose



Molecular Biology grade의
고감도 Agarose

- 3% 이상의 Agarose gel이 필요한 Multi-band 실험에도 사용 가능
- 높은 순도와 투명도로 정확도 높은 전기영동 가능
- 전기영동 후 Gel extraction 가능

EcoDye™ Nucleic Acid
Staining Solution



EtBr을 대체하여 사용가능한
안전한 Staining solution

- Non-toxic, Non-mutagenic, Non-carcinogenic(안정성 test 완료)
- High sensitivity
- 10,000배 희석 사용으로 경제적

BioFACT™ DNA Ladder
& Loading Dye



고농도의 정확한 DNA size

- 순수 정제된 plasmid를 이용한 깨끗하고 정확한 DNA size
- 소량분주로 contamination 위험 적음
- 샘플 loading을 위한 dye 무료제공

BioFACT™ Triple Color
Protein Marker



사이즈 구별이 용이한
Triple Color

- 3가지 색깔로 size 구별이 쉬움
- 목적에 따라 알맞은 size의 marker 선택
- 별도의 작업 없이 바로 사용 가능

Related product



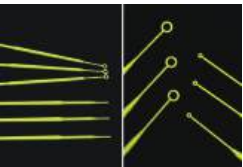
LMS Mini Heating Dry Bath
Compact Size, Clear Cover
1.5mL, 50mL tube 호환 가능



Cuvette (for Electroporation)



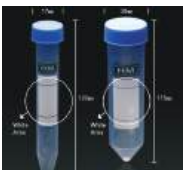
Petri Dish



Loop & Needle



Micro Tips



15mL, 50mL Tube



AI Cooling Block

Related product



다양한 용도의 Power Supply

- DNA, RNA, Protein 실험에 적합
- 한번에 최대 4 pair 가능
- Timer 및 알람 기능 탑재
- 간편한 program 설정
- One touch start



Electrophoresis Kit Midi II



Large Gel System

DNA / RNA Electrophoresis System

- 실속형 전기영동 장치
- Mini 부터 Midi 까지 다양한 사이즈의 gel 제작
- 대량의 시료를 한번에 전기영동
- 최대 220개(GSA-GT), 364개(GSA-HT)의 시료를 한번에 전기영동



UV Transilluminator

- Compact Size
- UV Lamp
- Darkroom Hood (Option)