

A provide to help your best PCR results

당신을 위한 제품이에요
기회를 놓치지 말아요

› 행사 기간 : ~5월 31일 까지

15%
할인 행사

ThermoFisher
SCIENTIFIC

RNA to cDNA

cDNA Synthesis



RevertAid First-Strand cDNA Synthesis Kit

- 가장 경제적인 Kit type 제품
- RNase Inhibitor, dNTP, Oligo(dT)18, Random Hexamer, Control GAPDH RNA & Primer Set

High-Capacity RNA-to-cDNA Kit

- Master Mix type으로 간편함의 넘버원

cDNA Synthesis Maxima H Minus



Maxima H Minus First Strand cDNA Synthesis Kit

- Kit type 제품, Customizing 가능



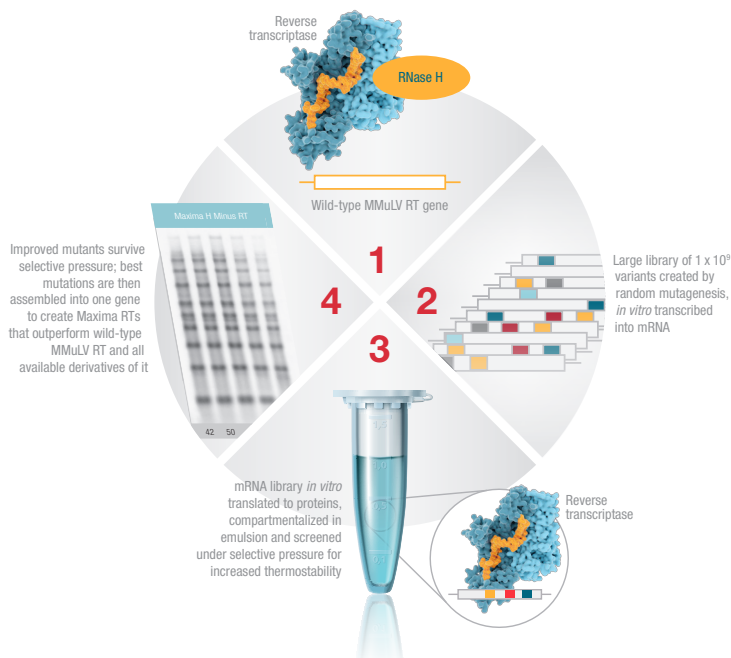
Maxima H Minus cDNA Synthesis Master Mix

- Master Mix type 제품



Maxima H Minus Double-Stranded cDNA Synthesis Kit

- Kit type 제품



RNase H Minus를 사용해야 하는 이유!

- **RNase H** : RNA-DNA hybrid의 RNA 가닥을 특이적으로 분해하는 효소
- **RNase H 활성** : cDNA 합성 중 주형가닥으로 사용되는 RNA가 분해 됨. 결국 Full length로 합성이 어려움
- **Who needs :**
 - Target gene 발현량이 적을 경우
 - Full length cDNA 합성
 - cDNA library 제작

Double-Stranded cDNA 합성은 어떻게 하나요?

- **Double-Stranded cDNA** : mRNA로부터 dsDNA를 만드는 과정이며, First strand cDNA 합성 후 진행. 최종적으로 이중가닥의 cDNA를 만듦
- **Who needs :**
 - Blunt-end Cloning
 - Double strand cDNA library 제작

Maximize with Maxima enzymes

Use Thermo Scientific Maxima H Minus Reverse Transcriptases, which offer high processivity (50x greater than wild-type MMuLV RT enzymes), high thermostability (maintain activity from 42°C to 65°C), and high efficiency with input ranging from 1 pg to 1 µg.

thermofisher.com/maxima

Gene Expression : DNA Amplification

일반적인 정성검사, PCR 실험



DreamTaq
PCR Master Mix (2X)

- 베스트 셀러 제품

DreamTaq Hot Start
PCR Master Mix

- Hot-Start 기능 포함

Phusion Hot Start II DNA
Polymerase (2 U/μL)

- Hot-Start 기능 포함된
Polymerase 단품

단품

High Fidelity, Cloning, NGS용

Phusion High-Fidelity DNA
Polymerase (2 U/μL)

- High Fidelity 기능 포함된
Polymerase 단품

단품

Phusion High-Fidelity
PCR Kit

- High Fidelity 기능 포함된 Kit type

Phusion Flash High-Fidelity PCR
Master Mix

- High Fidelity 기능 포함된
Master Mix type

Direct PCR (No Prep)

Phusion Blood
Direct PCR Master Mix

- Sample : **Blood**, Master Mix type

Phire Plant
Direct PCR Master Mix

- Sample : **Plant**, Master Mix type

Phire Tissue
Direct PCR Master Mix

- Sample : **Tissue**, Master Mix type

DNA Gel Electrophoresis : Consumable

DNA 전기영동

TAE Buffer
(Tris-acetate-EDTA) (50X)

- DNA 분자량이 **큰 경우**

TBE Buffer
(Tris-borate-EDTA) (10X)

- DNA 분자량이 **작은 경우**

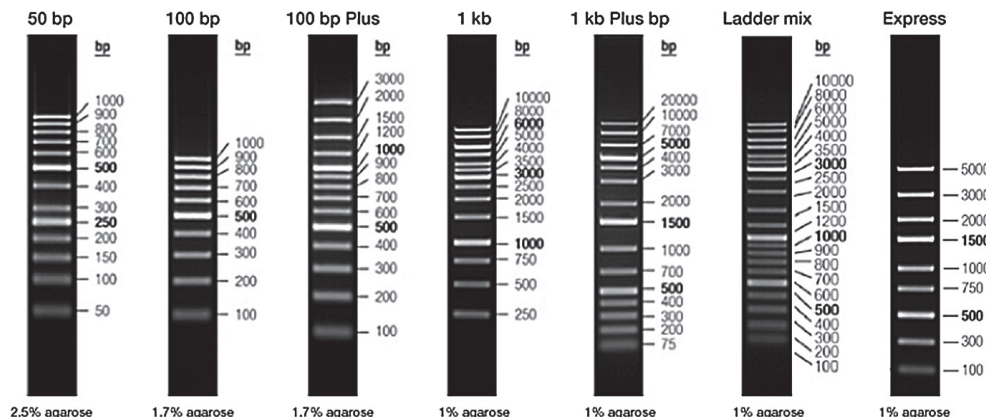
DNA Gel Loading Dye
(6X)

- **DNA** 사용

RNA Gel Loading Dye
(2X)

- **RNA** 사용

DNA Ladder





Ordering Information

Product Name	Quantity	Cat. No.
RevertAid Reverse Transcriptase (200 U/μL)	10,000 units	EP0441
	5 x 10,000 units	EP0442
RevertAid H Minus Reverse Transcriptase (200 U/μL)	10,000 units	EP0451
	5 x 10,000 units	EP0452
Maxima Reverse Transcriptase (200 U/μL)	2,000 units	EP0741
	10,000 units	EP0742
	4 x 10,000 units	EP0743
Maxima H Minus Reverse Transcriptase (200 U/μL)	2,000 units	EP0751
	10,000 units	EP0752
	4 x 10,000 units	EP0753
RevertAid First Strand cDNA Synthesis Kit	20 reactions	K1621
	100 reactions	K1622
RevertAid H Minus First Strand cDNA Synthesis Kit	20 reactions	K1631
	100 reactions	K1632
High-Capacity cDNA Reverse Transcription Kit	200 reactions	4368814
	1,000 reactions	4368813
High-Capacity RNA-to-cDNA Kit (MasterMix)	50 reactions	4387406
	500 reactions	4388950
Maxima First Strand cDNA Synthesis Kit for RT-qPCR	50 reactions	K1641
	200 reactions	K1642
Maxima H Minus First Strand cDNA Synthesis Kit	20 reactions	K1651
	100 reactions	K1652
Maxima H Minus Double-Stranded cDNA Synthesis Kit	10 reactions	K2561
	50 reactions	K2562
	200 reactions	K2563
Maxima H Minus cDNA Synthesis Master Mix	50 reactions	M1661
	200 reactions	M1662
TAE Buffer (Tris-acetate-EDTA) (50X)	1L	B49
TBE Buffer (Tris-borate-EDTA) (10X)	1L	B52
DNA Gel Loading Dye (6X)	5 x 1mL	R0611
RNA Gel Loading Dye (2X)	1mL	R0641
GeneRuler Ultra Low Range DNA Ladder, ready-to-use	100 applications	SM1213
GeneRuler Low Range DNA Ladder, ready-to-use	100 applications	SM1193
GeneRuler 50 bp DNA Ladder, ready-to-use	100 applications	SM0373
	500 applications	SM0243
GeneRuler 100 bp DNA Ladder, ready-to-use	100 applications	SM0244
	500 applications	SM0323
GeneRuler 100 bp Plus DNA Ladder, ready-to-use	100 applications	SM0324
	500 applications	SM0314
GeneRuler 1 kb DNA Ladder, ready-to-use	100 applications	SM0313
	500 applications	SM0313
GeneRuler 1 kb Plus DNA Ladder, ready-to-use	100 applications	SM1334
GeneRuler Express DNA Ladder, ready-to-use	500 applications	SM1333
GeneRuler Express DNA Ladder, ready-to-use	100 applications	SM1553
GeneRuler DNA Ladder Mix, ready-to-use	100 applications	SM0334
GeneRuler High Range DNA Ladder, ready-to-use	100 applications	SM1353

Product Name	Quantity	Cat. No.
DreamTaq DNA Polymerase (5 U/μL)	200 units	EP0701
	500 units	EP0702
	5 x 500 units	EP0703
	20 x 500 units	EP0704
	10 x 500 units	EP0705
DreamTaq Green DNA Polymerase (5 U/μL)	200 units	EP0711
	500 units	EP0712
	5 x 500 units	EP0713
	20 x 500 units	EP0714
DreamTaq Hot Start DNA Polymerase	200 units	EP1701
	500 units	EP1702
	2,500 units	EP1703
	4 x 2,500 units	EP1704
DreamTaq Hot Start Green DNA Polymerase	200 units	EP1711
	500 units	EP1712
	2,500 units	EP1713
	4 x 2,500 units	EP1714
DreamTaq PCR Master Mix (2X)	200 reactions	K1071
	1,000 reactions	K1072
DreamTaq Green PCR Master Mix (2X)	200 reactions	K1081
	1,000 reactions	K1082
DreamTaq Hot Start PCR Master Mix	200 reactions	K9011
	1,000 reactions	K9012
DreamTaq Hot Start Green PCR Master Mix	200 reactions	K9021
	1,000 reactions	K9022
Phusion High-Fidelity DNA Polymerase (2 U/μL)	100 units	F530S
	500 units	F530L
	2,000 units	F-530XL
Phusion U Hot Start DNA Polymerase	100 units	F555S
	500 units	F555L
Phusion Hot Start II DNA Polymerase (2 U/μL)	100 units	F549S
	500 units	F549L
	2,000 units	F549XL
Phusion High-Fidelity PCR Kit	50 reactions	F553S
	200 reactions	F553L
Phusion High-Fidelity PCR Master Mix with HF Buffer	100 reactions	F531S
	500 reactions	F531L
Phusion Flash High-Fidelity PCR Master Mix	100 reactions	F548S
	500 reactions	F548L
Phire Plant Direct PCR Kit (without sampling tools)	500 reactions	F130WH
Phire Animal Tissue Direct PCR Kit (without sampling tools)	500 reactions	F140WH
Phusion Blood Direct PCR Kit	100 reactions	F547S
	500 reactions	F547L
Phusion Blood Direct PCR Master Mix	100 reactions	F175S
	500 reactions	F175L
Phire Plant Direct PCR Master Mix	250 reactions	F160S
	1,250 reactions	F160L
Phire Tissue Direct PCR Master Mix	250 reactions	F170S
	1,250 reactions	F170L

www.thermofisher.com

Thermo Fisher Scientific 씨모 피셔 사이언티픽 솔루션스 유한회사
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