

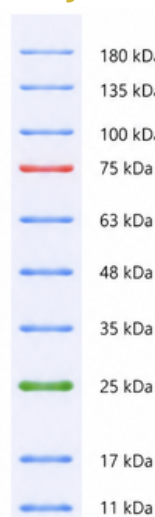
# Nucleic Acid and Protein Electrophoresis

Protein Ladders, DNA Ladders, Less-toxic Nucleic Acid Stains

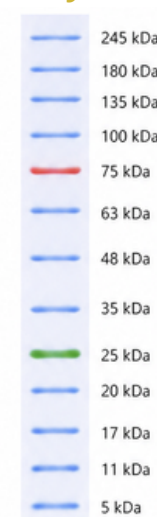
## Ready-to-use Prestained Protein Ladders

- Ambient-temperature stable
- Available in 4 different ranges
- High MW 310 kDa band in CozyXL™
- Low MW 4,5 and 2 kDa bands in NEW CozyXS™
- Sharp bands and bright colors on gels
- Great performance in Western blots

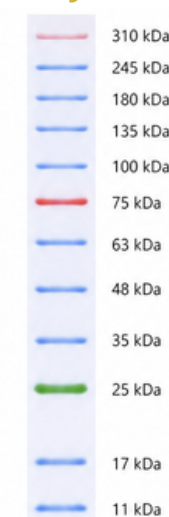
### Cozy™



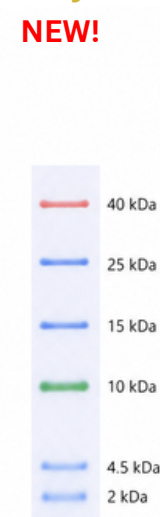
### CozyHi™



### CozyXL™

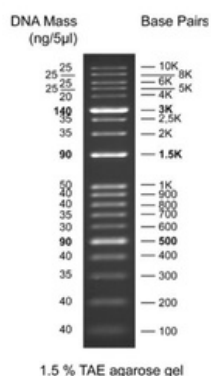


### CozyXS™

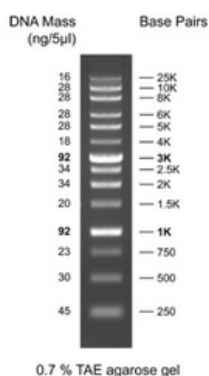


## Take5™ DNA Ladders

- Ambient-temperature stable ladders - always ready to use.
- Sharp bands, bright reference bands, indicated DNA mass.
- Supplied with loading dye for DNA samples.



**Take5™ 1kb DNA Ladder**  
100 bp- 10 kb Range  
0.5; 1.5 & 3 kb Reference  
19 Bands  
172 ng/µl Concentration  
Ready-to-use:  
Load: 5 µl/well  
Tracking Dyes:  
Xylene cyanol FF (~4 kb)  
Bromophenol blue (~0.4 kb)  
Orange G (<50 bp)



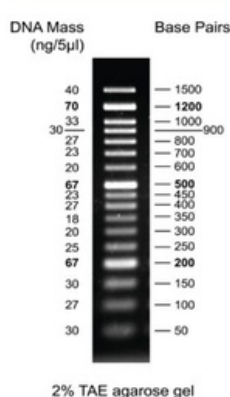
**Take5™ HR DNA Ladder**  
250 bp- 25 kb Range  
1 & 3 kb Reference  
14 Bands  
104 ng/µl Concentration  
Ready-to-use:  
Load: 5 µl/well  
Tracking Dyes:  
Xylene cyanol FF (~4 kb)  
Bromophenol blue (~0.4 kb)

1.5 % TAE agarose gel

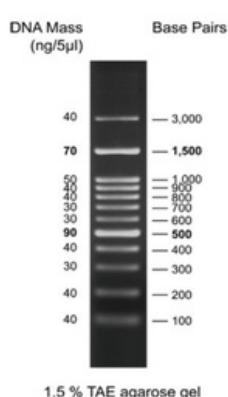
0.7 % TAE agarose gel

## StainIN™ GREEN NA Stain

- Much more safe alternative to ethidium bromide, more economical alternative to competing green dyes.
- Unique – has two emission peaks, stains DNA in green, and RNA in red.
- Highly sensitive NA detection - up to 4x more sensitive than EtBr.
- Time saving – in gel stain, no post-run staining, no destaining.



**Take5™ 50 bp DNA Ladder**  
50 bp- 1.5 kb Range  
0.2 & 0.5 kb Reference  
17 Bands  
112 ng/µl Concentration  
Ready-to-use:  
Load: 5 µl/well  
Tracking Dyes:  
Orange G (<50 bp)



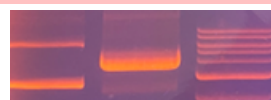
**Take5™ 100 bp DNA Ladder**  
100 bp- 3 kb Range  
0.5 & 1.5 kb Reference  
12 Bands  
108 ng/µl Concentration  
Ready-to-use:  
Load: 5 µl/well  
Tracking Dyes:  
Xylene cyanol FF (~4 kb)  
Orange G (<50 bp)

2% TAE agarose gel

1.5 % TAE agarose gel

## StainIN™ eco-RED NA Stain

- Safe, economical alternative to ethidium bromide.
- Universal – in gel staining, or post-run staining, no de-staining.
- Ambient temperature storage and shipment.



[samples at highQu.com/Samples](https://www.highQu.com/Samples)

**highQu**  
professionally simple

# ENZYMES MADE TO AMPLIFY

Enjoy easy-to-use, outperforming tools and consistently great results!

## Why to choose highQu?

- Best value for money
- **Scientific track record since 2013**
- Trusted by scientists in >40 countries
- Next day delivery in Germany
- Immediate customer support

## What's special about highQu PCR/qPCR reagents?

- Robust - inhibitor-resistant, minimum optimization
- Easy-to-use - simplified protocols
- Fast - designed for rapid workflows
- Outperforming – great on complex templates
- ALLin™ formulation - dNTPs in buffers, water supplied

**Optical Genome Mapping as a Diagnostic Tool in Pediatric Acute Myeloid Leukemia** Cancers, 2022  
Validation of Newly Detected SVs by Long-Distance Touchdown PCR and Sequencing: ...Primer walking was used to amplify the breakpoint. The identified breakpoints were re-confirmed by a breakpoint-spanning PCR using the **ALLin™ HS Red Taq Master Mix** (highQu GmbH, Kraichtal, Germany)...

**Development of the first PVM TaqMan® primer set and a one-step real-time multiplex DiRT-PCR for the detection of PLRV, PVY, PVM, PVS, PVA and PVX in potato tuber sap** The European Journal of Plant Pathology, 2022

We extended the reverse transcription in (MV) to 1 h and changed the reverse transcriptase from SuperScript®III (Thermo Fisher Scientific) to **HighScriber™ Reverse Transcriptase** (HighQu...).

**Diversity of Streptomyces spp. from mangrove forest of Sarawak (Malaysia) and screening of their antioxidant and cytotoxic activities** Nature Scientific Reports, 2019

Genomic DNA extraction was performed...PCR amplification of 16S rRNA gene was carried out in a final volume of 20 µL using TurboCycler 2... based on protocol adapted from Lee et al. 65, with **highQu Taq DNA polymerase** (Kraichtal, Germany)



## NEW Inhibitor Tolerant Direct qPCR/RT qPCR Mixes and other Crude Sample qPCR Tools

DQP010S SampleIN™ Direct qPCR Mix  
DQP020S SampleIN™ Direct qPCR ROX L  
DOS010S SampleIN™ 1Step RT qPCR Mix  
DOS020S SampleIN™ 1Step RT qPCR ROX L Mix  
DOS010AD AirDry SampleIN™ 1Step RT qPCR Mix  
DPL010S SampleIN™ Lysis Set for PCR/qPCR  
ROX0101 ROX for qPCR Mixes, 50 µM

### qPCR Mixes for Probes

QPP010S ORA™ qPCR Probe Mix  
QPP040S ORA™ SEE qPCR Probe Mix  
QPP020S ORA™ qPCR Probe ROX L Mix  
QPP050S ORA™ SEE qPCR Probe ROX L Mix  
QPP030S ORA™ qPCR Probe ROX H Mix  
QPP060S ORA™ SEE qPCR Probe ROX H Mix

### qPCR Mixes with Dye

QPD010S ORA™ qPCR Green ROX L Mix  
QPD050S ORA™ SEE qPCR Green ROX L Mix  
QPD020S ORA™ qPCR Green ROX H Mix  
QPD040S ORA™ SEE qPCR Green ROX H Mix  
QPD030S ORA™ qPCR HRM Mix

### One Step RT qPCR Kits for Probes

QOP040S 4X 1Step RT qPCR Probe Kit  
QOP050S 4X 1Step RT qPCR Probe ROX L Kit  
QOP060S 4X 1Step RT qPCR Probe ROX H Kit  
QOP110S 2X 1Step RT qPCR Probe Kit  
QOP120S 2X 1Step RT qPCR Probe ROX L Kit  
QOP130S 2X 1Step RT qPCR Probe ROX H Kit

### One Step RT qPCR Kits with Dye

QOD010S 1Step RT qPCR Green ROX L Kit  
QOD020S 1Step RT qPCR Green ROX H Kit

## What would you like to try?

### Isothermal Amplification

IDK0101 ALLin™ Isothermal DNA Amplification Kit  
IRK0101 ALLin™ Isothermal 1Step RNA Amplification Kit  
IDE010S phi29 DNA Polymerase  
IDE020E ALLin™ Bst DNA Polymerase  
IDE030E ALLin™ Hot Start Bst Polymerase  
IDK0201 ALLin™ HS Isothermal DNA Amplification Kit

### Standard PCR

PCE010S ALLin™ Taq DNA Polymerase  
PCM020S ALLin™ Red Taq Mastermix  
PCM010S ALLin™ Taq Mastermix  
PCE020S Taq DNA Polymerase

### Hot Start PCR and Direct PCR

HSE010S ALLin™ Hot Start Taq Polymerase  
HSM030S ALLin™ HS Red Taq Mastermix  
HSM020S ALLin™ Hot Start Taq Mastermix

### High Fidelity and Long PCR

HLE010S ALLin™ RPH Polymerase  
HLM010S ALLin™ RPH Mastermix  
HLE020S ALLin™ HiFi DNA Polymerase  
HLE030S ALLin™ Mega HiFi DNA Polymerase  
HLM020S ALLin™ Mega HiFi Mastermix  
HLM030S ALLin™ Mega HiFi Red Mastermix  
HLE040S ALLin™ Mega HS HiFi DNA Polymerase  
HLM040S ALLin™ Mega HS HiFi Mastermix  
HLM050S ALLin™ Mega HS HiFi Red Mastermix

### Direct PCR

DPK010S SampleIN™ Direct PCR Kit  
**PCR related Reagents & Kits**  
PRK0101 Proteinase K MBG Solution  
SCR0101 Synthetic Carrier RNA  
PDK0101 PCRbeam™ Fast PCR Detection Kit  
NUM010S 25 mM dNTP Mix

### Reverse Transcription & RT-PCR

RTK020S 1Step RT PCR Kit  
RTK010S qScriber™ cDNA Synthesis Kit  
RTM030S HighScriber™ Reverse Transcriptase Mix  
RNI030S SecurIN™ Advanced RNase Inhibitor

### Ladders for DNA Electrophoresis

DNL010S Take5™ 1kb DNA Ladder  
DNL030S Take5™ 50 bp DNA Ladder  
DNL020S Take5™ 100 bp DNA Ladder  
DNL040S Take5™ HR DNA Ladder

### Novel NA Stains for DNA Electrophoresis

NAS030S StainIN™ eco-RED Nucleic Acid Stain  
NAS020S StainIN™ GREEN Nucleic Acid Stain

### Protein Electrophoresis Ladders, NEW Low-range

PRL010S Cozy™ Prestained Protein Ladder  
PRL020S CozyHi™ Prestained Protein Ladder  
PRL030S CozyXL™ Prestained Protein Ladder  
PRL040S CozyXS™ Prestained Protein Ladder

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